CATALOGUE AND PRICE LIST
OF
STEREOPTICONS,

Dissolving Views, Apparatus, Magic Lanterns, and Artistically Colored Photographic Views.

That eminent Philosopher, Sir David Brewster, says, "*The Magic Lantern, which, for a long time was used only as an instrument for amusing children, and astonishing the ignorant, has recently been fitted up for the better purpose of conveying Scientific Instruction, and it is now universally used by popular Lecturers. It may be used in almost every branch where it is desirable to give a distinct and enlarged representation to a large audience.*"

T. H. McALLISTER,

(Of the Late Firm of McAllister & Brother, Philadelphia.—Established 1796.)

OPTICIAN,

49 NASSAU ST., NEW YORK.

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EDWIN BARTOW, PRINTER, 80 & 82 DUANE ST., NEW YORK.

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T. H. McALLISTER,

(OF THE LATE FIRM OF McALLISTER & BROTHER, PHILADELPHIA,)

49 Nassau Street,

Near the Post Office, NEW YORK.

It is not always possible to have on hand every picture which may be called for; in which case the order would be delayed, unless the custome should give instructions to send such other pictures of the same character as may be on hand.

It generally requires from 40 to 60 Views to form an assortment for an Evening Exhibition.

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CATALOGUE

OF

STEREOPTICONS,

Dissolving View Apparatus,

MAGIC LANTERNS,

AND

List of over 3000 Carefully Selected Views for the illustration of subjects of popular interest.

FOR SALE BY

T. H. McALLISTER,

(Of the late firm of McALLISTER & BROTHER, Philadelphia.—Established 1796.)

OPTICIAN,

49 NASSAU STREET,

Between Maiden Lane and Liberty Street,

NEW YORK.

This Catalogue is printed for gratuitous distribution, and sent by Mail free of charge.

E. BARTOW, BOOK AND JOB PRINTER, 80 & 82 DUANE STREET.
1867.

Within a few years past the beautiful art of Photographing on Glass has been brought to a high state of perfection; and by its aid the Magic Lantern, which had been so long regarded as a mere toy for the amusement of children, has been raised to the character of a SCIENTIFIC INSTRUMENT, calculated to be of vast service in the instruction of youth, and the entertainment of the family circle, or as a beautiful and refining recreative exhibition to an intelligent audience.

This Catalogue contains a list of over two thousand Views, carefully photographed on glass, from the finest engravings to be procured, and colored by experienced artists, with the most brilliant and appropriate tints necessary to their proper representation.

EACH VIEW, EXCEPT WHEN OTHERWISE DESCRIBED, IS UPON A GLASS PLATE THREE INCHES IN DIAMETER, WITH A COVERING GLASS TO PROTECT IT FROM CARELESS HANDLING, AND EACH VIEW IS MOUNTED SEPARATELY, IN A MAHOGANY FRAME OF FOUR INCHES WIDE AND SEVEN INCHES LONG.

The choicest works of art—master pieces of Raphael, Rubens, and all the celebrated Painters of ancient and modern times; Illustrations of Travels and Voyages; Scriptural Scenes; Historical Subjects: The Battles, Sieges and important events of our Civil War; Portraits of Prominent Characters, etc., etc., will be found classified under separate heads.

There are no subjects, however intricate, that may not thus be readily illustrated, and the superior style of painting in which the views are executed, classes them as genuine works of art.

The Beautiful Stereoscopic Views on Glass, in a Lantern illuminated by the Oxy-Hydrogen or the Oxy-Calcium light, can be exhibited on a screen from fifteen to thirty feet square, covering an area of from 200 to 900 square feet, with a perfectly natural Stereoscopic effect. When two Lanterns thus illuminated are used to produce the Dissolving Views, the instrument is called "THE STEREOPTICON." These Dissolving Views (whether with the above Stereoscopic Views, or with the finely colored Circular Views constitute the most attractive exhibition that can be offered to an educated public.

The novel effect of "dissolving" one city into another—New York into London—London into Paris—Paris into Rome, etc.—the exterior of a building into the interior of the same building—changing a smiling summer landscape to a snowy winter scene, etc., etc.—and all in so gradual a manner as always to leave a picture before the audience, produces a magical effect that never fails to please.

While the character of the Paintings has thus improved and driven out the miserable caricatures formerly to be met with, the optical and mechanical portions of the apparatus have likewise advanced, so that more perfect effects can be obtained than with the old-fashioned Lanterns, and at the same time with far more convenience and ease to the operator.

☞Every Lantern and Stereopticon sold by me is fitted with McAllister's New Slide Spring and Stop, by which the sliders are securely held in the central line of the lenses; an invention simple in construction, but the great importance of which is acknowledged by all who have seen it.☜

In the education of youth, the value of pictorial representations is known and appreciated as a most efficient mode of fixing ideas in the mind; and, the assortment of Views now presented will enable a skillful instructor to illustrate many subjects which have heretofore been supposed impossible to be explained other than orally, and to convey many lessons of vital importance in a most forcible manner; while the fascinating character of the exhibition will give a charm to what would otherwise be considered a "dry lecture."

Enlightened teachers have already appreciated the advantages of the now IMPROVED SCIENTIFIC MAGIC LANTERN, and it is being rapidly introduced into our COLLEGES, ACADEMIES and SCHOOLS, as a necessary educational adjunct.

It is also assuming a position as a fashionable and elegant PARLOR ENTERTAINMENT for private families.

As an attractive PUBLIC EXHIBITION, it is found, when properly managed, to prove a remunerative and pleasant business, and offers great inducements to a man with moderate capital.

Of all the different Lanterns now in use, we recommend for general use the instruments supplied with what is called the Oxy-Calcium Light, in which a spirit flame furnishes the hydrogen gas, through which a jet of oxygen gas is conducted on a lime cylinder. This light is 100 times more intense than that of the oil lamp, and is without any danger, as only one gas is used—the oxygen—which, by itself, is incombustible. The brilliant effect produced by this Oxy-Calcium Light is sufficient to make the pictures up to 15 feet in diameter—in fact, to give exhibitions in the largest halls.

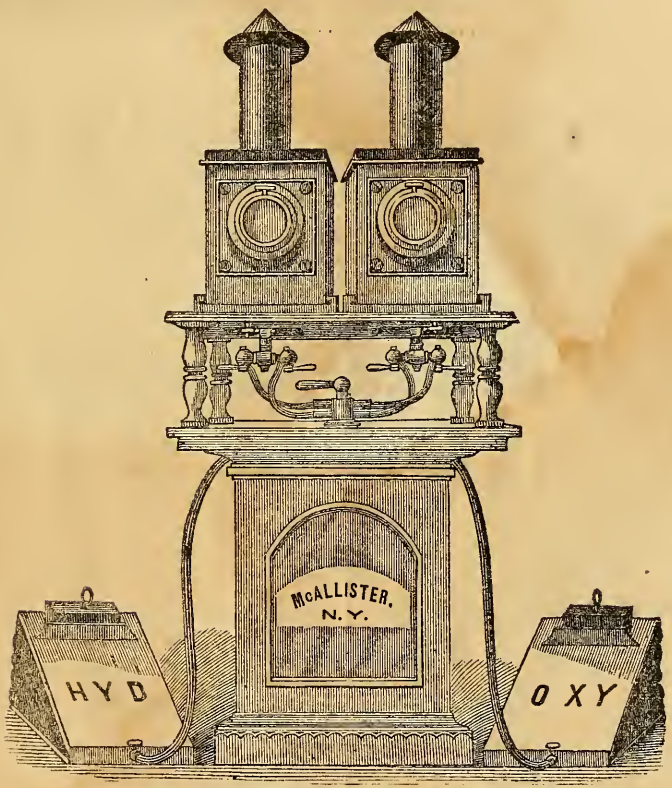
The Oxy-Hydrogen, or Drummond Light Apparatus, although giving a still more intense light than the foregoing Oxy-Calcium Light, is more complicated, and requires more skillful management.

The Stereopticons & Lanterns are priced without any reference to Slides whatever. That is, the prices are for the Stereopticons and Lanterns complete and ready for use, with Lamps and necessary appendages, but without any Views.

OXY-HYDROGEN STEREOPTICON.

The Oxy-Hydrogen or Drummond Light, is the invention of the late Prof. ROBT. HARE, M.D. of the University of Pennsylvania, and is produced by the ignition of lime in a compound flame of Oxygen and Hydrogen Gases. The light thus obtained is the most intense, as yet discovered, that can be practically applied, and is at the same time easily and economically procured; the entire expense of making the Gases for an evening's exhibition, with either of the following Oxy-Hydrogen Stereopticons, being under One Dollar, even at the present high price of chemicals.

☞ *The Oxy-Hydrogen apparatus, as heretofore made, has not been free from danger, and accidents have occurred. I have recently introduced several improvements in the arrangements of the apparatus, by which all danger is removed, and the greatest amount of light obtained with absolute safety to the operator.*



No. 400. Oxy-Hydrogen or Drummond Light Stereopticon, for Dissolving Views, with Improved arrangement for producing the dissolving effect.

The cases of finely-finished and well-seasoned mahogany, on raised Walnut Platform. Condensing Lenses 4½ inches diameter. First quality Achromatic Combination Magnifying Lenses, of two powers, with Brass Rack work adjustment for focussing. Fir quality Oxy Hydrogen Safety Jets tipped with Platina. McAllister's new Slide Spring and Sto Retort, Purifier, and largest size India Rubber Gas Bag, for the Oxygen. Copper Generator nd largest size Gas Bag for the Hydrogen.

This instrument is made throughout in the very best manner, adapte.l for use in the largest Halls, and will magnify the Stereoscopic Views on Glass up to 25 feet square (625 square feet), with fine definition and powerful light.

Securely packed in strong boxes, with hinged lid, lock and key and handles.....**$350 00**

No. 401. Same as above, with clock work to move the lime.....**$400 00**

No. 402. Oxy-Hydrogen, or Drummond Light Stereopticon, for Dissolving Views.

In Japanned Cases—Condensing Lenses, 4 inches diameter—High Power and Medium Power Magnifying Lenses, with Brass Rack adjustment for focussing. McAllister's new Slide Spring and Stop. Improved Safety Jets, Retort, Purifier, and largest size India Rubber Bag for the Oxygen. Copper Generator, and largest size India Rubber Bag for the Hydrogen.

Securely packed in strong locked box, with iron handle.....**$200 00**

No. 403. Same as No. 402, but with Achromatic Combination Magnifying Lenses.....$225 00

Each of the Oxy-Hydrogen Stereopticons is provided with an improved Dissolving arrangement, by which a great saving of the Gas is effected. Also with Blue Glass and Red Glass Diaphragms, for producing sunset and moonlight effects, colored ground for statuary, etc.

The Achromatic Lenses make the picture clear, with the outlines sharply defined, and free from the prismatic, or rainbow colors, so often seen in pictures magnified with ordinary lenses.

The high magnifying power is used when the screen is obliged to be placed near the instrument. The low power, when the screen can be placed at a greater distance.

The low power makes a picture of the same size as the high power, when the distance is doubled, thus adapting the instruments to halls of any size.

The Copper Hydrogen Generator, which accompanies each of the above, is to be used for making the Hydrogen Gas, when giving exhibitions in places where there are no Public Gas Works. But where these exist, the Hydrogen Bag can be readily filled by making an attachment to a Burner.

Each instrument is furnished with complete instructions for its management.

☞ **For Prices of**

CHEMICALS,

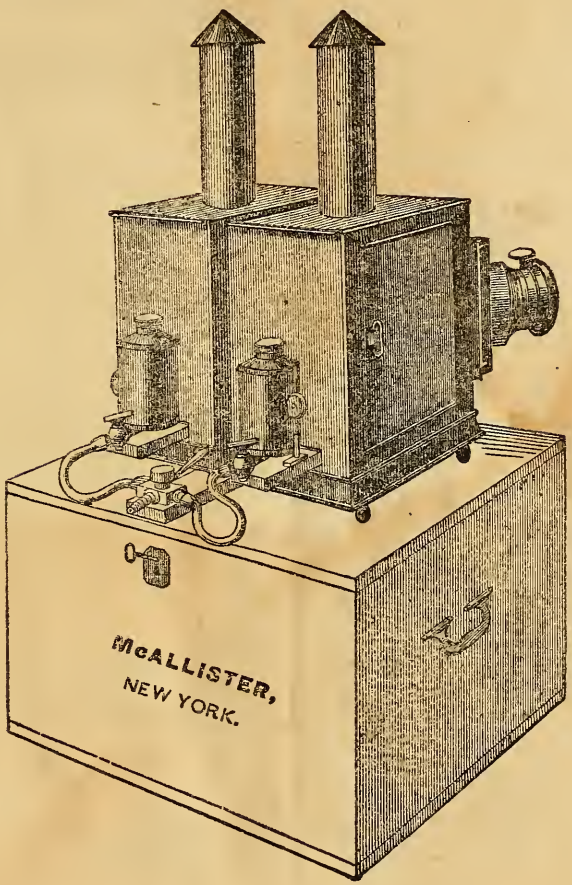
SCREENS,

etc., etc.,

See price list on page 43.

OXY-CALCIUM STEREOPTICON.

The Oxy-Calcium, or as it is sometimes called The "*Bude*" light, is inferior to the Oxy-Hydrogen, though still far more intense than the most brilliant Oil Lamp. It differs from the Oxy-Hydrogen, in using but one Gas, Oxygen; the flame of an alcohol lamp, replacing the Hydrogen. The Oxy-Calcium apparatus is more compact and more portable than the Oxy-Hydrogen, more simple, and easier to manage. It will illuminate any of the Photographic Views brilliantly, when magnified up to as much as 15 feet in diameter (225 square feet).



No. 410. Oxy-Calcium Stereopticon, for Dissolving Views:

Consisting of two Lanterns, in Japanned cases, 10 by 8 inches square and 16 inches high, with McAllister's Improved Adjustable Oxy-Calcium Jets—Condensing Lenses 4 inches diameter—High Power and Medium Power Magnifying Lenses, with Brass Rack adjustments, for focussing. McAllister's new Slide Spring and Stop. Retort, with Iron Stand and Spirit Lamp, Purifier, India Rubber Gas Bag, and Flexible India Rubber Tubing for the Oxygen—and apparatus to produce the Dissolving effect.

Packed in smoothly finished locked and hinged box 24 inches square. The lid of the box serves for a platform for the apparatus when exhibiting.....**$130 00**

No. 411. Same as No. 410, but with Achromatic Magnifying Lenses, $150

No. 412. Oxy-Calcium Stereopticon, for Dissolving Views:

Consisting of two Lanterns, in Japanned cases, 10 by 8 inches square and 16 inches high, with McAllister's Improved Adjustable Oxy-Calcium Jets—Condensing Lenses 3½ inches in diameter—High Power and Medium Power Magnifying Lenses, with Brass Rack adjustment, for focussing. McAllister's new Slide Spring and Stop. Gas Apparatus and Dissolving Apparatus, etc., as No. 410.....$120 00

No. 413. Same as No. 412, but with Achromatic Magnifying Lenses. $140

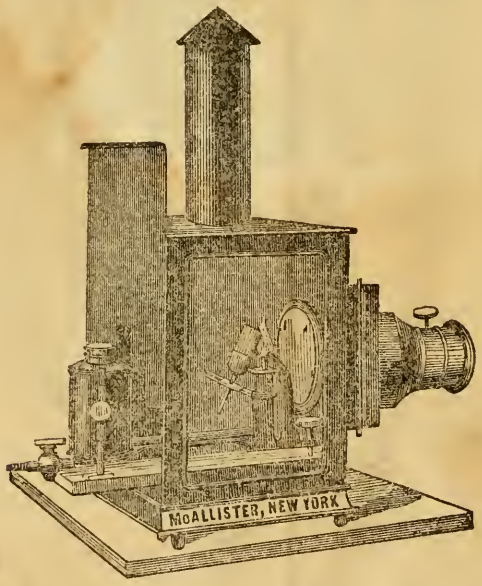
OXY-CALCIUM STEREOPTICONS, WITH HYDROGEN ATTACHMENT.

As almost every village and town is now supplied with Public Gas Works (furnishing Carburetted Hydrogen Gas), I have contrived a new pattern of Oxy-Calcium Stereopticon with an attachment to connect with any Gas Burner, and use this Gas in place of the Alcohol. The light is more intense than when Alcohol is used, is more uniform, and more easily managed. In places where there are no Gas Works Alcohol can be used (as in Nos. 410 to 413,) without any alteration of the apparatus.

No. 414. Same as No. 410, with Hydrogen Attachment.....$150 00

No. 415. Same as No. 411, with Hydrogen Attachment.....$170 00

SINGLE OXY-CALCIUM LANTERNS.



No. 416. Oxy-Calcium Lantern, Japanned Case, with McAllister's Improved Adjustable Oxy-Calcium Jet.

Condensing Lenses 4 inches in diameter—High Power and Medium Power Magnifying Lenses, with Brass Rack adjustment, for focussing. McAllister's new Slide Spring and Stop. Retort, on Iron Stand, with Spirit Lamp, Purifier, and India Rubber Gas Bag, flexible India Rubber Tubing, for the Oxygen.....$85 00

No. 417. Same as No. 416, with Achromatic Magnifying Lenses.....100 00

No. 418. Oxy-Calcium Lantern, Japanned Case, with McAllister's Improved Adjustable Oxy-Calcium Jet.

Condensing Lenses 3½ inches in diameter—High Power and Medium Power Magnifying Lenses, with Brass Rack adjustment, for focussing. McAllister's new Slide Spring and Stop. Retort, on Iron Stand, with Spirit Lamp, Purifier, India Rubber Gas Bag, and flexible India Rubber Tubing, for the Oxygen.....**$80 00**

No. 419. Same as No. 418, with Achromatic Magnifying Lenses....$95 00

No. 420. Oxy-Calcium Lantern, Japanned Tin Case, with McAllister's Improved Adjustable Oxy-Calcium Jet.

Condensing Lenses 4 inches in diameter—High Power and Medium Power Magnifying Lenses, Tin Sliding Tube adjustment, for focussing. McAllister's new Slide Spring and Stop. Retort, etc., for the Oxygen.....**$75 00**

MANAGEMENT OF THE OXY-CALCIUM APPARATUS.

Fill the Reservoir (A, fig. 421 page 8) to within an inch of the top, with the best alcohol, and have a good thick wick 3 or 4 inches long, in the tube of the lamp, projecting about half an inch, and trimmed even.

☞ *The alcohol should always be of at least 90 per cent. purity. A percentage Hydrometer is furnished with each apparatus, with instructions for use; by which the purity of the alcohol can be tested when purchasing.* ☜

A cylinder of hard unslacked lime must next be placed in the lime-carrier, immediately in the rear of the flame, and is to be thoroughly heated by the flame before the oxygen is turned on. (If the oxygen is turned on too soon, the lime will crack from the sudden increase of heat.) Having the Bag of Oxygen in a convenient position on the floor, in front of the apparatus, place about 150 pounds weight on the Pressure Board, and make the attachments with the flexible India Rubber Tubing. (In Nos. 416 to 420 the connection is made directly from the bag to the jet, but in Nos. 410 to 415 the bag is connected with the jets by the medium of the Dissolving Key.) The stop-cock at the bag should now be turned on, and the flow of gas regulated by the small stop-cock attached to the jet. The wick of the lamp must be spread out slightly, so as to leave a free passage for the gas from the jet through the flame—the smallest fibre of the wick in front of the jet will prevent the flow of the gas, lessen the light, and cause a slight hissing noise. The lime is next to be adjusted by sliding the lime-carrier to or from the flame, and moving the lime cylinder up or down, until the light is most brilliant.

It merely remains to place a view in the lantern, adjust the focus, and move the jet backward or forward, and center it until there is an equally intense illumination over all parts of the magnified picture. The jet once in its position is to be held there by the centering and elevating screws.

The Dissolving effect in the Stereopticons is produced by moving the lever of the Dissolving Key, transferring the Oxygen from one lantern to the other, thus causing the light to increase in one lantern, in the same proportion as it decreases in the other lantern, and the paintings will gradually and beautifully dissolve.

Each Lantern of the Stereopticon turns upon a pivot in front, and the Lanterns are to be inclined apart at the rear, to such an angle that the circle of light from each shall fall precisely upon the same space on the screen.

DIRECTIONS FOR MAKING THE OXYGEN GAS.

(*The illustration on page 8 represents the apparatus, the Pressure Board, of course being removed when making the Gas.*)

Place in the Retort 16 ounces of *Chlorate of Potash*, in coarse powder, and add to it 6 ounces of *Black Oxide of Manganese*. Shake the Retort, that the ingredients may be well mixed.

Next, blow through all the pipes and connections, so as to satisfy yourself that there is nothing to obstruct the free passage of the Gas.

Pour about one pint of water into the wash bottle, and fit the metal pipe into the opening at the top; this pipe is connected by the India Rubber Tubing with the longer metal pipe which you now fit into the top of the retort. Press these pipes, and the fittings will be completely gas-tight.

Light the spirit lamp under the Retort, and in a few minutes bubbles of gas will begin to come up through the water in the Wash Bottle, and the Wash Bottle is now to be connected with the Gas Bag by the piece of India Rubber Tubing, as shown in the illustration.

If the Gas comes over too violently, remove the lamp and replace it when the flow of gas becomes more moderate, and keep it under the retort until the bubbles cease to come over.

You then turn the cock at the Bag—detach the Bag from the Wash Bottle. Next remove the metal pipe from the Wash Bottle—*and, last of all, remove the Spirit Lamp.*

When the Retort has cooled, wash out the residuum in the Retort, and stand the Retort upside down, that it may be entirely dry before it is used again, as it is absolutely necessary that there shall be no moisture in the Retort while the Gas is being made. With good chemicals the Bag can be filled with Gas in about twenty minutes.

Failures often occur from using impure chemicals. To test them, melt a small quantity of the Chlorate of Potash, in an iron spoon, over a Spirit Lamp, and stir into it with an iron wire some of the Black Oxide of Manganese.

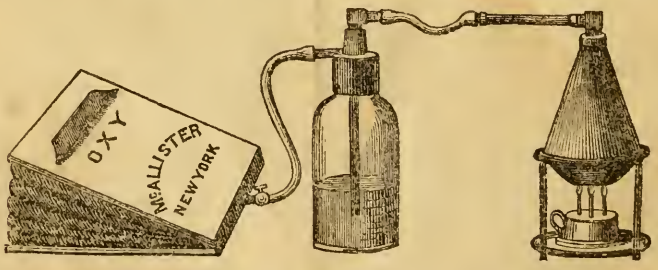
If the materials are not good an explosion will take place, and a whitish mass with red spots in it will be left in the spoon,—if they are pure, there will be no explosion, and the melted mixture will soon dry up, leaving a dark gray residuum.

For price of Chemicals, etc., see price list on page 48.

PRESSURE BOARDS.—All the Oxy-Hydrogen and Oxy-Calcium Stereopticons and Lanterns are furnished complete, with every necessary except the Pressure Boards for the Gas Bags; and these can be made by any carpenter at a less cost than the express charge on them would amount to.

GAS BAGS.—The India Rubber Gas Bags will contain enough Gas for an evening's exhibition, lasting from one hour and-a-half to two hours, according as a greater or less pressure is placed upon the bag. The greater the pressure, the more gas will be consumed in a given time. Extra large Gas Bags, or two Gas Bags can be furnished at an extra cost.

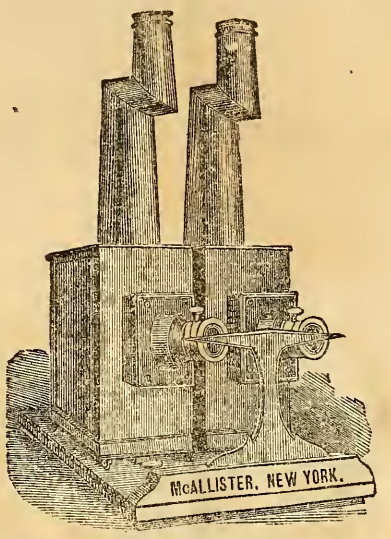
No. 421. McAllister's Improved Adjustable Oxy-Calcium Jet.
This Jet is very simple in its construction, and far superior to the complicated Oxy-Calcium Jets formerly used. It is mounted on a walnut base, 4 inches wide by 12 inches long. Has stop-cock to control the flow of gas, elevating and centering screw, etc. Can be readily applied to any lantern..... **$8 00**



No. 422. Oxygen Apparatus, consisting of Retort, with Spirit Lamp, Purifier, India Rubber Gas Bag, with Stop-Cock.....$45 00

No. 423. The Oxygen Apparatus, No. 422, with two of the Oxy-Calcium Jets, No. 421, and Dissolving Apparatus.
By using this, a pair of the usual Dissolving Lanterns can be converted into an Oxy-Calcium Stereopticon.....$60 00

DISSOLVING VIEW APPARATUS WITH COAL OIL LAMP.



No. 425. A Pair of Dissolving View Phantasmagoria Lanterns, in Japanned Cases, 10 by 8 inches square, and 16 inches high.
Condensing Lenses 4 inches in diameter; high power and medium power Magnifying Lenses; Brass Rack work adjustment for focussing. McAllister's new Slide Spring and Stop. Coal Oil Lamps, with apparatus for producing the Dissolving effect. Packed in box 24 inches square, with hinged lid, lock and key and handles. The lid of the Box serves for a platform when exhibiting.....$75 00

No. 426. Condensing Lenses, 4 inches diameter. Plain finish. Slip Tube Adjustment, for focussing.....$55 00

No. 427. Same as No. 425, fine finish, with Condensing Lenses 3½ inches diameter.....$65 00

No. 428. Condensing Lenses 3½ inches diameter. Plain finish. Slip Tube Adjustment, for focussing.....$45 00

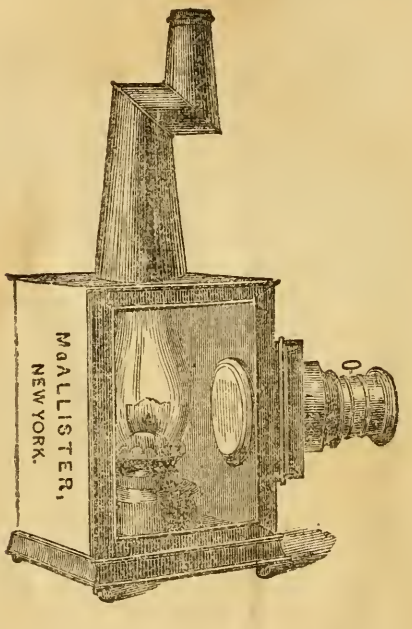
To produce the Dissolving effect requires two lanterns arranged on a stand, as shown in the engraving. Each Lantern turns upon a pivot in front. Incline both Lanterns apart at the rear to such an angle that the circle of light from each shall fall precisely upon the same spot on the screen. There is in front of the pair of lanterns a diamond-shaped shade, which slides in a groove, and is so proportioned that when the wide part is in front of the tube of *one* lantern, the pointed end will not quite reach to the front of the tube of the *other* lantern. Having placed a slider in each lantern, slide the shade along the grove, by the hand, alternately from right to left, and left to right; and it follows, that as soon as the shade begins to cover the image proceeding from one lantern a corresponding portion of the image proceeding from the other lantern is thrown upon the screen. The movement should be slow and regular, and the paintings will imperceptibly and beautifully dissolve, the one into the other.

It is of much consequence that the paintings are placed precisely in the centre of the lenses, so that they may fall directly upon each other when the change is made. The paintings also must each be mounted in a separate slider; and as the space between the lanterns is slight, (see engraving,) the slider must not be more than 7 inches in length. All sliders, therefore, which are **over 7 inches in length cannot be used to produce the dissolving effect.**

The "*Paintings in Pairs, or sets, for Dissolving Views*," are painted with express reference to the production of fine effects, though any two paintings of the same size will answer for dissolving, care being taken that there is a general likeness of light and shade. For instance, a painting having a very light object in its centre will not dissolve handsomely into another painting having a very dark object in the centre.

Striking and amusing effects, however, are often produced by dissolving with paintings of entirely different character, and the unexpected change will excite and keep up the interest of an audience—thus a landscape may dissolve into a chromatrope or a portrait; or a comic figure may, by the dissolving arrangement, be introduced into a landscape, etc.

SINGLE MAGIC LANTERNS, with COAL OIL LAMPS,



No. 430. Improved Phantasmagoria Lantern, in Japanned Case, 10 by 8 inches square and 16 inches high.
Condensing Lenses 4 inches in diameter. High power and medium power Magnifying Lenses, Brass Rack work adjustment for focussing. McAllister's new Slide Spring and Stop. Coal Oil Lamp. $35 00

No. 431. Condensing Lenses, 4 inches diameter. Plain finish. Slip Tube Adjustment, for focussing..... $25 00

No. 432. Same as No. 430. Fine finish, with Condensing Lenses, 3½ inches diameter..... $30 00

No. 433. Condensing Lenses, 3½ inches diameter. Plain finish. Slip Tube Adjustment, for focussing..... $20 00

GENERAL DIRECTIONS FOR THE USE OF THE MAGIC LANTERN.

The following directions are intended merely as a guide to those unacquainted with the management of the Magic Lantern. Practice will soon suggest to the operator many methods of rendering the exhibition a pleasant and profitable amusement.

The lamp should be carefully trimmed, and filled with the best oil, the flame to stand as high as possible, so that it does not smoke. The greatest cleanliness should be observed with the lamp, and when not in use the oil should be drained out.

All the lenses should be taken out previously to each exhibition, and carefully wiped out with a soft muslin or linen cloth.

The room being fully darkened, the lantern should be placed upon a table, about six or eight feet from a white wall, or a white sheet suspended on a wall; or it is frequently preferable to make use of a muslin screen stretched on a frame, the lantern being on one side and the spectators on the other; and it is recommended to wet the screen that it may be drawn tighter, and also rendered more transparent.

To make a waxed muslin screen, mix turpentine and white beeswax in the proportion of two parts wax and one part turpentine; heat it over a fluid lamp until all is dissolved; then in a *warm* room, apply it with a painter's brush over the screen, and afterwards smooth the screen with a common iron, heated a little—the screen should be stretched on a frame. This makes an excellent screen when you want to have your lantern behind the screen; the glare of the lamp does not come through, but it cracks and becomes yellow if kept folded up, gets dirty very easily, and is troublesome to prepare.

The lamp having been lighted and placed in the lantern, close the door of the lantern and move the lamp backwards or forwards until a perfect circle is formed on the wall or screen; the lamp is then known to be in its proper position—much depends upon this.

The sliders are placed in the slit in front of the lantern, with the picture inverted where they will be firmly held and kept in the central line of the lenses, by McAllister's newly invented slide spring and stop, and the focus adjusted by moving the front lenses. The farther the lantern is from the wall or screen, the larger will be the image, but the illumination will not be so perfect as when closer.

To Produce the Phantasmagoria Effect.

The operator should be on one side of the screen, as already described, and the spectators on the other. Taking the lantern under his left arm, he should go up pretty close to the screen and adjust the focus with his right hand. The image, of course, will be very small; he must then walk slowly backward, at the same time adjusting the focus. As the image *increases* in size, it will appear to the spectators to be coming towards them; and then again let him walk up towards the screen, thus *diminishing* the image, and it will appear to them as if receding. The screen not being seen, the image appears to be suspended in the air, and the deception is complete, even to those accustomed to the exhibition.

Slides producing the best Phantasmagoria effect are those containing but one or two figures, and all the rest of the glass painted black; such for instance, as some of the comic slip slides.

PHOTOGRAPHIC SLIDERS.

Constantly on hand a very large assortment of beautifully executed Photographic Sliders, elucidating every branch of popular knowledge, and every department of public interest, to which the attention of Teachers, Superintendents of Sunday Schools, and Public Lecturers is invited.

☞Each view, except when otherwise described, is three inches in diameter, and is mounted separately, in a mahogany frame of four inches wide and seven inches long.

Views of the American Civil War.

$2.75 per slide.

Photographed from the Best Pictures to be obtained, and Finely Colored. Arranged in Five Parts.

A—The prominent events, Battles, Skirmishes, etc.
B—Incidents of Camp Life and Soldier Life.
C—Views of Places of Interest in connection with the Rebellion.
D—Pictures of an Allegorical, Emblematical and Comical character.
E—Portraits of Prominent Officers.

This series of Views of the War has been selected with great care from a collection of about 1000 views; it comprises illustrations of all the prominent events of the war which will remain as permanent matters of history, and omitting those minor events which were merely of temporary importance.

These views can be shown with any of the Lanterns; but to give the most perfect satisfaction, and bring out *all* the details of the views, they require the Oxy-Calcium or Oxy-Hydrogen light

A.—BATTLES, SKIRMISHES, ETC.

1861.		Fort Sumter as it appeared Before the War.
		do. as it appeared at the Close of the War.
April	12.	do. Bombarded by the Rebels.
"	19.	Sixth Massachusetts Regiment attacked by a Mob in Baltimore.
May	24.	Assassination of Colonel Ellsworth.
		Colonel Ellsworth revenged—his murderer shot by Frank Brownell.
June	10.	Battle of Great Bethel—Death of Lieut. Greble.
"	11.	do. Romney, Va.—11th Indiana Zouaves.
"	17.	Skirmish at Vienna, Va.—Gen. Schenck and 1st Ohio Regiment.
July	5.	Battle of Carthage, Mo.
"	11.	do. Rich Mountain, Va.—Rosecrans Routing the Rebels
"	13.	do. Laurel Hill—Death of Rebel Gen. Garnett.
"	18-21.	do. Bull Run.
August	2.	do. Dug Spring, Mo., under Gen. Lyon.
"	10.	do. Wilson's Creek, Mo.—Death of Gen. Lyon.
"	29.	Bombardment of Forts Hatteras and Clark, N. C., by Stringham.
"	17-20.	Battle of Lexington, Mo.—Charge of Mulligan's Irish Regiment.
Octo'r	21.	do. Ball's Bluff--Death of Col. Baker.
"	25.	Brilliant Charge of Fremont's Body Guard at Springfield, Mo.
Nov.	7.	Bombardment of Forts Walker and Beauregard, Port Royal, S. C.
		Battle of Belmont, Mo.—Union forces commanded by Gens. Grant and McClernand.
"	22.	Bombardment of Rebel Fort McRae, Florida.
Dec.	5.	Occupation of Beaufort, S. C., by Gen. Stevens' Brigade.
"	8.	Repulse of a Night Attack of the Rebels at Salem, Mo.
"	20.	Battle of Dranesville, Va.—Rout of the Rebels.
1862		
January	1.	New Year's Day among the (Colored) Aristocracy at Beaufort, S. C.
"	19.	Battle of Mill Creek, Ky.—Death of Rebel Gen. Zollickoffer.
Feb.	6.	do. Fort Henry, Tennessee River.
"	7.	do. Roanoke Island.
"	13-16.	do. Fort Donelson, Tennessee River.
March	8	do. Pea Ridge, Arkansas—our troops driving off the Confederate Indians who were scalping our wounded.
		Rebel Ram "Merrimac" running down the U. S. Ship "Cumberland."
"	9.	The "Monitor" driving off the "Merrimac."
"	10.	Manassas evacuated by the Rebels—McClellan and Staff passing along the lines.
"	14.	Battle of Newbern, N. C.—U. S. forces under Gen. Burnside.
"	18.	Siege of Island No. 10, Mississippi River, by Com. Foote.
"	22.	Battle of Winchester, Va.—Decisive Charge upon the Rebels at the Stone Wall.
April	6.	do. Pittsburg Landing—Final Repulse of the Rebels by Gen. Grant.
"	10.	Bombardment of Fort Pulaski, Savannah River, by Gen. Gilmore.
"	18.	Capture of New Orleans—Bombardment of Forts Jackson and St. Philip.
"	24.	do. do. Rebel Ram "Manassas" endeavoring to sink U. S. S. "Mississippi."
"	26.	Bombardment of Fort Macon, N. C.
May	5.	Battle of Williamsburg, Va.—brilliant achievement of Gen. Hancock.
"	11.	End of the Rebel Ram "Merrimac"—Blown up by the Rebels.
"	29.	Rebel Evacuation of Corinth, Miss.
"	31.	Battle of Fair Oaks.
June	8.	do. Cross Keys—Fremont routing the Rebels.
		Col. Kane's Pennsylvania "Bucktails" attacking the Rebels.
"	25.	Attack on Vicksburg by the Gunboats and Mortar-boats.
"	27.	Battle of Gaines' Mills—Pouring canister into the Rebel ranks
"	28.	do. the Chickahominy.
"	30.	do. White Oak Swamp.
		do. Charles City Cross Roads.
		do. Golden's Farm—Capture of a Flag by 13th N. Y. Regiment.
July	1.	do. Malvern Hills—Repulse of the Rebels.
August	4.	Gen. Hooker's engagement with the Rebels at Malvern Hills.
"	5.	Battle of Baton Rouge, La.
		Murder of Gen. Robert L. McCook by Rebel Guerillas.
"	6.	Destruction of the Rebel Ram "Arkansas" by the "Essex," Com. W. D. Porter.
"	9.	Battle of Cedar Mountain, Va.
"	29.	Second Battle of Bull Run.
Sept.	1.	Battle of Chantilly—Death of Gen. Stevens.
"	12.	Rebel occupation of Hagerstown, Md.
"	14.	Battle of South Mountain, Md.
"	17.	do. Antietam.

1862.

Rebel Raid into Pennsylvania.
October 4. Battle of Corinth, Miss.
" 8. do. Perryville, Ky.
Nov. 10. Gen. McClellan relieved from command of the Army of the Potomac.
Gen. Burnside assuming the command of the Army of the Potomac.
Dec. 11. Battle of Fredericksburg, Va.
do. do. Dead around the Regimental Flag of the 8th Ohio.
" 17. Baton Rouge, La., re-occupied by U. S. troops.
" 31. Battle of Murfreesboro', Tenn.—Rosecrans' Decisive Charge.
Wreck of the celebrated "Monitor" in a terrible storm near Hatteras.

1863.

January Capture of Arkansas Post, Arkansas—Planting the Stars and Stripes.
" 14. Fight on the Bayou Teche, La.—Destruction of Rebel Gunboat.
Feb. 14. Ram "Queen of the West" attacking Rebel Gunboat.
" 17. do. do. Captured by the Rebels.
March 9. Siege of Vicksburg—Porter's "Quaker" Gunboat frightening the Rebels.
do. Battle of Champion Hill, May 16.
do. do. Baker's Creek.
do. Storming the Outer Works.
do. Logan's Division digging into Fort Hill.
do. Sherman's Attack.
July 4. do. Triumphal Entry of Grant's Army.
Siege of Charleston—10 different views.
May 3. Battle of Chancellorville, Va.
June 9. do. Beverly's Ford, Va.—Charge of Buford's Cavalry.
" 17. Capture of Rebel Ram "Atlanta" by the "Wehawken."
" 15. Invasion of Pennsylvania—Rebels Shopping in Chambersburg.
July 1. do. Rebels Shelling Carlisle.
" 3. Battle of Gettysburg—Charge of the Rebels on Cemetery Hill.
do. Repulse of the Louisiana Tiger Brigade.
do. Repulse of Longstreet's attack on the field.
do. Gen. Hancock lying wounded, giving orders.
do. The Dead Soldier, with the picture of his children in his hand.
do. Exact copy of the picture of the children of the Dead Soldier.
Siege of Port Hudson—Bird's-eye view of the Great River Battery.
" 17. Battle of Honey Springs, Arkansas.
August 20. Sacking of Lawrence, Kansas, and Massacre by Rebel Guerrillas.
Sept. 9. Capture of Chattanooga.
" 10. Battle of Chickamauga, Ga.
Octo'r 14. do. Bristow Station, Va.
Nov. 23. do. Lookout Mountain, Ga.
" 27. do. Mission Ridge, Ga.
do. Sedgwick's Corps at the Railway Bridge, Rappahannock.

1864.

January 1. New Year's Morning of a Union Soldier on picket duty.
" do. Ball of Contrabands.
Jen. Kilpatrick's Cavalry setting out on a raid towards Richmond.
April 8. Battle of Pleasant Hill, La.—Rebels repulsed.
" 12. Fort Pillow—Cruel Massacre of Colored Troops.
May 6. Battle of Dalton, Ga.
do. the Wilderness, Va.
" 8. do. Spottsylvania Court House, Va.
" 11. do. Yellow Tavern, Va., between Sheridan and Rebel Gen. Stuart.
" 14. do. Resaca, Ga.
" 30. do. Bethseda Church, Va.
June 1. do. Coal Harbor, Va.
" 14. do. Pine Knob, Ga., and killing of Rebel Gen. Bishop Polk.
Siege of Petersburg—10 different views.
" 16. Battle of Lost Mountain, Ga., under Hooker.
" 19. The "Kearsarge" sinking the Pirate "Alabama," off Cherbourg, France.
" 22. Battle of Kenesaw Mountain, Ga.
" 25. Siege of Atlanta, Ga.—Brilliant charge of the 20th Corps.
July 3. Battle near Marrietta, Ga.—Sherman's attack on the enemy's centre.
" 12. Rebel raid near Washington—Night attack on Fort Stevens.
" 30. Ruins of Chambersburg, Pa.—Burnt by the Rebels.
August 5. Farragut's Naval Victory in Mobile Bay.
do. New style of going into action (comic).
" } 22. Bombardment of Fort Morgan, Mobile Bay.
" 25. Battle of Ream's Station, on the Weldon Railroad, Va.
Sept. 2. Capture of Atlanta, Ga., by Gen. Sherman.
" 13. Battle of Winchester, Va.—The dead Rebel and his faithful dog.

1864.
Sept. 22. do. Fisher Hill, Va.—Union forces under Sheridan.
" 29. do. Chapin's Farm, Va., do. under Grant.
" 30. do. Poplar Springs Church, Va.
do. Peeble's Farm, Va.
Octo'r 19. Raid on St. Albans, Vt., by Rebels from Canada.
" 27. Rebel ram "Albemarle" destroyed by Torpedo boat, under Lieut. Cushing, U. S. N.
Nov. 25. Thanksgiving Day in Camp.
Dec. 4. Battle of Waynesborough, Ga.--Kilpatrick's Cavalry Charge.
" 13. Storming of Fort McAllister, Ga.
" 15. Battle of Nashville—Charge of the 16th Corps.
" 21. Capture of Savannah, Ga.—Sherman's Army entering the city.
1865.
Jan. 15. Triumphant Assault on Fort Fisher—Entrance of Cape Fear River, N. C.
Feb. 17. Capture of Columbia, S. C., by Gen. Sherman.
" 19. do. Fort Anderson, near Wilmington, N. C.
" 18. Charleston, S. C., occupied by U. S. Troops under Gen. Schimmelpfenning.
" 21. do. 55th Mass. Colored Regt. singing "John Brown's soul."
March 20. Battle of Bentonville, N. C.
April 1. do. Pine Forks.
Richmond—Entrance of the Union Army.
" 4. do. President Lincoln riding through the streets.
" 9. Surrender of Gen. Lee to Gen. Grant.
Surrender of Gen. Johnston to Gen. Sherman.
" 14. Fort Sumter re-occupied.
Assassination of President Lincoln, with moveable effect for the figure of Booth, $3.75
" 15. Death-bed of do.
Miserable death of the assassin Booth.
Apotheosis of Abraham Lincoln.
Columbia weeping over the coffin, the Army and Navy weeping at her side. Abraham Lincoln's effigy appears in the heavens above, surrounded by a halo and stars. This picture, of fine effect, is furnished on two sliders for dissolving lanterns, ***$5.50,*** and also in one slide for single lantern, with moveable effect, ***$3.75.***
May 10. Capture of Jeff. Davis at Irwinsville, Ga. The *stern statesman* is caught in his wife's petticoats. Trago-comic end of the wicked rebellion.
" 23. Grand Review at Washington of the Army of the Potomac, Major-General Meade commanding.
" 24. Grand Review at Washington of the Army of the Cumberland, Major-General Sherman commanding.
Etc., Etc., Etc.

☞ *Particular attention is asked to the War Views under Sections B, C, D and E, many of which are highly interesting, and add much to the variety of an exhibition—also the Patriotic Chromatropes, Patriotic Dissolving Views, etc.*

B.—INCIDENTS OF CAMP LIFE AND SOLDIER LIFE.

The Prisons at Richmond—Union Prisoners in a starving condition—(75,000 were starved to death while Gen. Lee was in command of the Rebel armies).
Photographic Proofs of Rebel Cruelty—Photographs of our Starved Soldiers arrived at Annapolis, from Belle Isle.
Look upon this picture-Union Prison'rs in Dixie.
And on this—Rebel prisoners North.
Group of Emancipated Slaves, *white and colored*, from the Schools in New Orleans, established by Gen. Banks.
Merrymaking of Liberated Slaves in Louisiana.
The American Patriot's Dream, the night before the battle. On two sliders for dissolving apparatus, $5.50—or, one slide for single lantern, with movable effect, $3,75.

"Stretched on the ground the toil-worn so'dier sleeps
Beside the lurid watch fire's fitful glare;
And dreams that on the field of fame he reaps
Renown and honors which he hastes to share
With those beloved ones who gathering come
To bid their hero, husband, father, 'welcome home.'
Fond Dreamer! may thy blissful vision be
A true foreshadowing of the fates to thee."
Etc.. Etc., Etc.

The Bivouac Fire.
The Bivouac Feast—a successful Forage in the Enemy's country.
Wash Day in the Army.
"Picket duty is not so hard after you get used to it." (Comic.)
Cooking in Camp.
Punishment Drill in the Army.
Christmas Eve in Camp—The Soldier by the Camp Fire.
Christmas Eve at Home—His Wife Praying at the bedside of his children.
The Soldier's Return.
Meeting of Union and Rebel Pickets.
Wounded Zouave in the Hospital.
McClellan's Grand Review of 70,000 Troops.
Ericsson's "Monitor."
The "Black Hawk"—Admiral Porter's Flag ship.
Rebel Ram "Merrimac."

C.—VIEWS OF PLACES OF INTEREST IN CONNECTION WITH THE REBELLION.

Libby Prison, Richmond.
Belle Isle, do.
Dutch Gap Canal.
City Point.
Prison Pen at Millen, Ga.
Fort Warren, in Boston Harbor.
Fort Pulaski.
Lincoln's Home, Springfield, Ill.
Volunteer Refreshment Saloon, Philadelphia—Exterior—Arrival and Departure of Soldiers.
Volunteer Refreshment Saloon, Philadelphia—Interior — Soldiers partaking of refreshments.
Camp of Rebel Prisoners, Elmira, N. Y.

Etc., Etc., Etc.

D.—PICTURES OF AN ALLEGORICAL, EMBLEMATICAL AND COMICAL CHARACTER.

The American Eagle on the National Shield—a beautiful picture—very appropriate for the closing piece of the exhibition.
A Rally around the old Flag.
The Flag of our Union Forever.
God, our Country and Liberty.

"Up with the Standard and bear it on,
Let its folds to the wind expand.
Remember the deeds of Washington,
And the Flag of our Native Land."

"Rally Round the Flag, Boys."
Our Heaven-born Banner.
Fate of the Rebel Flag.
Columbia Awake at Last.
Columbia Leading on her Sons to Victory.
The Triumph of Liberty and Justice over Slavery and Vice—Allegoric Representation of the End of the Rebellion.
The Last Act of the Drama.

Grand Tableau.—The Demon of Discord descends to perdition—the head of the Secession Alligator is severed from his body—Old Secesh lies prostrate with the Zouave's bayonet at his throat. Numerous small Rebel devils floored—whilst the good genius Lincoln is victorious, and *the Union triumphant forever.*

Jeff. Davis on the right Platform (the Gallows).
Jeff. Davis Going to War and Returning from the War. (He first appears as a fire-eating brave, and then, by reversing the slide, the same picture presents him as a cowardly jackass.)
True Patriotism—"Tell them to obey the Laws, and support the Constitution."
The Spirit of the Union.

"Lo! on high the glorious form
Of Washington lights all the gloom,
And words of warning seem to come
From out the portal of his tomb.
Americans! your fathers shed
Their blood to rear their Union's fame;
Then let your blood as free be given,
The bond of Union to maintain."

The Tomb and Shade of Washington.
The Hour of Victory—"Zouaves, remember Ellsworth."
The Ultimate Fate of Confederate Bonds—Sold for Old Rags—Cast out and trodden under the feet of men.
A Mississippi Tiger captured in Kentucky. (Comic.)
Southern Chivalry on the Rampage. (Comic.)
Uncle Sam as the Prestidigitateur. (Comic.)

Uncle Sam.—"You see, ladies and gentlemen, there has been no preparation; yet here they come, ships, cannon, men and money."

An Unwelcome Return. (Comic.)

Three Months' Volunteer.—"What, don't you know me—your own husband?"
Daughter of Columbia.—"Get away! No husband of mine would be here while his Country needs his help."

The Furlough South. (Comic.)

Rebel returns to the bosom of his family. Being clad in the stolen uniform of one of our gallant defenders, he is mistaken by his wife for a "Yank," and received accordingly.

One of the Effects of the War. (Comic.)

Army Contractor's Wife.—"And say, young man, put me up a Diamond Necklace and a couple of Gold Watches, *along with them other things.*

Hard Times in Old Virginia. (Comic.)

Reb. Soldier.—"Say, give us some old rye?"

F. F. V. Barkeeper.—"Which will you have, twenty-five or thirty dollars a pony?"

The Rebellion in the South, and what they got by it.

Officer.—"What in h—ahem! have you got that flour barrel around you for?"
Zouave.—"Waiting for my shirt to dry, Cap'n."
Officer.—"Then why in h—ahem! don't you put on your pants?"
Zouave.—"Ain't got any, Cap'n It's the other regiment what received the pants; we got the shirts.

Jeff. Davis and the European Shylock.

J. D.—"I can call millions across the vast deep."
Shylock.—"Ferry goot, but will dey comes?"

Mr. Lincoln's "little story" about Blondin on the Tight Rope.

"Keep quiet, friends, and I'll wheel my barrow across."

After the War. (Comic.) Uncle Sam's College—the Noodles and Doodles of Europe getting a notion or two.

Jeff. Davis "*Calmly Contemplating.*" (Comic.)

"Our country is now environed with perils which it is our duty calmly to contemplate."—*Extract from Jeff. Davis' Last Message.*

Blessings in Disguise. (Comic.)

Jeff. Davis' Te Deum: "Savannah, Charleston and Wilmington are fallen! Our armies are relieved of outpost duty, and are falling back upon the last ditch. Sherman and Grant are doomed. Let us await the issue with fitting composure. Allah be praised."

The proposed "*First Step to Peace.*" (Comic.) North and South polishing off the innocent Neutrals.

Old Mother Britannia and her daughter, Miss Canada. (Comic.)

Miss Canada—"O, dear! Mother Britannia, here is Uncle Sam, wanting to run away with me. Help!"
Mother Brittania.—"Bless the girl, I wish to heaven somebody *would*, and have done with it."

The Narrow Path over the Last Ditch. (Comic.)

The Return Home. (Comic.)

Columbia—"Tell me, soldier, did you not pass a Wayward Sister of mine on the road?"
Returning Soldier.—"I did. I fetched her a good part of the way myself; but she says she don't require my services any more now; and here she comes over the hill.

Reconciliation between the North and South. (Comic.)

Miss South—"Oh, dear Sam, you've been in the right all along, and I acknowledge that I am to blame; but I'll never do it again."
Uncle Sam.—"Let by-gones be by-gones; I don't think we will be likely to fall out again, as the bone of contention has been removed"

The Eve of War. Allegoric representation of Fort Sumter, March, 1861.

The Dawn of Peace. Allegoric representation of Fort Sumter, March, 1865.

Etc., Etc., Etc.

E.—PORTRAITS OF PROMINENT OFFICERS AND LEADING MEN ON THE SIDE OF THE UNION.

President	Lincoln.	General	Fremont.	General	McClellan.	Colonel	Ellsworth.
"	Johnson.	"	Garfield.	"	Rosecrans.	Lieut.	Frank Brownell
Secretary	Stanton.	"	Gilmore.	"	Schurz.	"	Greble.
"	Welles.	"	Grant.	"	Scott.	Admiral	Davis.
General	Anderson.	"	Halleck.	"	Sheridan.	"	Dupont.
"	Burnside.	"	Hancock.	"	Sherman.	"	Farragut.
"	Butler.	"	Hooker.	"	Sickles.	"	Foote.
"	Butterfield.	"	Hunter.	"	Sigel.	"	Goldsborough
"	Corcoran.	"	Kearney.	"	Thomas.	"	D. D. Porter.
"	Dix	"	Lyon.	"	Viele.	"	Stringham.
"	Doubleday.	"	Meade.	"	Wallace.	"	Wilkes.
"	Duryea.	"	Meagher.	Colonel	Baker.	Serg't	Boston Corbett.
"	Franklin.						

Etc., Etc., Etc.

PORTRAITS OF CELEBRATED PERSONS.

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☞ *These show well with any of the Lanterns.*

George Washington, by Stuart.
George Washington, by Peale.
Martha Washington.
John Adams, 2d President of the U. S.
Thomas Jefferson, 3d do.
James Madison, 4th do.
James Monroe, 5th do.
John Quincy Adams, 6th do.
Andrew Jackson, 7th do.
Martin Van Buren, 8th do.
General Harrison, 9th do.
John Tyler, 10th do.
James K. Polk, 11th do.
Zachary Taylor, 12th do.
Millard Fillmore, 13th do.
Franklin Pierce, 14th do.
James Buchanan, 15th do.
Abraham Lincoln, 16th do.
Andrew Johnson, 17th do.
Lincoln at Home—a beautiful picture of President Lincoln and his Son, Thaddeus.
Mrs. Lincoln.
Henry Clay.
Daniel Webster.
Stephen A. Douglas.
Edward Everett.
Washington Irving.
Professor Longfellow.
Dr. Kane, the Arctic Explorer.
Rev. Henry Ward Beecher, D. D.
Rev. H. W. Bellows.
Hon. W. L. Dayton.
Horace Greeley.
Hon. J. P. Hale.
Hon. Hannibal Hamlin.
Geo. D. Prentiss, of Kentucky.
Stephen Girard.
Hon. Chas. Sumner.
Hon. Simon Cameron.
Hon. S. P. Chase, Chief Justice, U. S.
Gov. Andrew, of Mass.
Gov. Brownlow, of Tenn.
William Penn.
Benjamin Franklin.
Lewis Cass.
Thomas H. Benton.
Frederick the Great.
Queen Victoria.
Napoleon Bonaparte.
Louis Napoleon.
Duke of Wellington.
Garibaldi.
Sir John Franklin.
Schiller.
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Richard Cobden.
Joseph John Gurney.

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Embarkation of the Pilgrim Fathers.
English Puritans escaping to America.
The First Landing of the Pilgrims, 1620.
Landing of Roger Williams.
Landing of Hendrick Hudson.
Elliott, First Missionary to the Indians.
The Boston Tea Party.
The Battle at Lexington.
Putnam leaving the Plow.
Putnam's Escape.
The Battle at Bunker Hill.
Moll Pitcher at Monmouth.
Female Patriotism.
Treason of Arnold.
Capture of Major Andre.
Lee's Cavalry at Guilford.
Washington at Valley Forge.
Washington, Henry and Pendleton going to the First Congress.
The Surrender at Yorktown.
Washington Crossing the Delaware.
Death of Captain Lawrence.
Death Warrant of Major Andre.
Battle of Camden.
Death of General Wolfe at Quebec.
Defense of Fort Moultrie.
Death of General Pike.
Patrick Henry in the Virginia Assembly.
Drafting of the Declaration of Independence.
Indian Massacre in Cherry Valley.
Death of Tecumseh.
Mrs. Schuyler Firing her Corn Fields.
Decatur's Conflict at Tripoli.
The Battle of Chippewa.
The Battle at New Orleans.
General Taylor at Monterey.
Battle of Plattsburg Bay.
Battle of Princeton.
Death of Major Ferguson, King's Mountain.
Major Dix at the Battle of Buena Vista.
General Harrison and Tecumseh.
Fremont Raising the Flag.
The Struggle on Concord Bridge.
Fall of Braddock.
Fall of Major Ringgold.
A Soldier's Wife at Fort Niagara.
Lafayette Wounded.
Col. Taylor at the Battle of Okee Chobee.
May's Charge at Resaca de la Palma.
Com. Perry at the Battle of Lake Erie.
Fremont's Party Surprised.
Tecumseh saving Prisoners.
Surrender of Burgoyne.
General Taylor at Buena Vista.
Action between the Constitution and Guerriere.
General Scott at Contreras.
Battle of Harlem.

General Jackson at Waterford.
General Stark at Bennington.
Col. Miller at the Battle of Chippewa.
Indian Massacre at Wilkesbarre.
Washington taking command of the Army, 1775.
Storming of Stony Point.
Interview between Generals Jackson and Weatherford.
Washington Raising the British Flag at Fort Duquesne.
Lord Stirling at the Battle of Long Island.
General Marion and the British Officer.
William Penn treating with the Indians.
Surprise of Fort Ticonderoga.
Washington at the Battle of Monmouth.
Declaration of Independence.
Interior of Independence Hall.

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ILLUSTRATIONS OF BIBLE HISTORY.

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Genesis.

1. The Earth without Form and Void.
   The Waters gathered in one place.
   The Earth yields Grass and Trees.
   God makes Sun, Moon and Stars.
   God creates the Fowl and Fish.
   God creates Cattle, creeping things and Beasts.
2. Creation of Adam.
   do. of Eve.
3. The Temptation.
   "The Serpent beguiled me."
   The Expulsion.

Genesis.

CHAP.
4. The first Human Family.
   Cain's Offering rejected.
   Death of Abel.
   Cain Cursed.
   Cain Builds the First City.
   Family of Cain.
6. Wickedness of Man before the Flood.
   Noah's Ark.
7. The Deluge.
   Interior of the Ark.
8. Return of the Dove.
   Noah's Sacrifice.

11. Babel.
16. Hagar.
Abraham and Hagar.
18. Abraham and the Three Angels.
19. Lot and his Daughters.
Destruction of Sodom and Gomorrah.
21. Hagar cast forth.
Hagar and Ishmael in the Desert.
22. Abraham offering Isaac.
24. Rebecca.
Rebecca at the Well.
Departure of Rebecca.
Meeting of Isaac and Rebecca.
25. Jacob and Esau.
28. Jacob's Dream.
29. Rachel.
Jacob in the House of Laban.
31. Laban searching for the Images.
33. Meeting of Esau and Jacob.
37. Joseph thrown into the well.
Joseph sold by his Brethren.
Joseph's Coat shown to his Father.
39. Potiphar's Wife.
Joseph and Potiphar's Wife.
40. Joseph interprets the Dreams of the Butler and the Baker.
41. Joseph interprets Pharaoh's Dream
42. Simon bound by order of Joseph.
44. The Cup found in Benjamin's Sack
45. Joseph makes himself known to his Brethren.
46. Joseph meeting his Father.
47. Joseph presenting his Father to Pharoah.
49. Jacob blesses his Twelve Sons.

Exodus.

2. Moses in the Bullrushes.
Pharaoh's Daughter.
Moses found by Pharaoh's Daughter.
3. Angel appears to Moses in a Flaming Bush.
14. Destruction of Pharaoh's Host.
17. Moses smites the Rock in Horeb.
31. Moses with the Ten Commandments.

Judges.

4. Deborah.
11. Jephthah's Daughter.
Jephthah's Rash Vow.
13. Samson.
14. Samson and the Lion.
16. Samson betrayed by Delilah.
Samson grinding Corn in the Prison.
Samson pulling down the Pillars of the Temple.
Delilah.

Ruth.

1. Ruth.
2. Boaz and Ruth.

1st Samuel.

1. Hannah.
2. Infant Samuel.
3. Samuel and Eli.
7. David Slaying the Lion.
David and Goliah.
18. Saul presenting his Daughter to David.
24. Abigail.
28. Raising of Samuel by the Witch of Endor.

2d Samuel.

6. David bringing the Ark from Kirjeth-jearim.
12. Nathan Reproving David.
18. Absalom entangled in the Oak.

1st Kings.

3. The Judgment of Solomon.
10. The Queen of Sheba.
16. Jezebel.

2d Kings.

2. The Ascent of Elijah.
6. Elisha causes the Iron to Swim.
11. Athaliah.

Esther.

2. Queen Esther.
Esther and Ahasuerus.

Psalms.

137. The Captives in Babylon.

Daniel.

3. Shadrach, Meshach and Abednego in the Fiery Furnace.
6. Daniel in the Lion's Den.

Jonah.

1. Jonah cast into the Sea.

The Sacrifice of the King of Edom's Son.
Jeremiah on the Ruins of Jerusalem.
King David.
King Solomon.
Prophet Isaiah.
Prophet Ezekiel.
Prophet Malachi.

Our Saviour, by *Paul de la Roche.*
" by *Guido.*
" by *Carlo Dolce.*
" by *Vecellio.*
" by *Morales.*
Madonna au Poisson, by *Raphael.*
" del Lago, by "
" San Sisto, by "
" of the Chair, by "
" of the Candelebra "
" by *Rubens.*
" by *Caracci.*
" by *Murillo.*
" by *Guido.*
" by *Romano.*
" by *Aurifex.*
" by *Leonardo da Vinci.*
" by *Sassoferrato.*
Mary Magdalen, by *Guido.*
" by *Correggio.*
" by *Polma.*
Annunciation of the Virgin.
Presentation of Christ in the Temple, by *Bartolemeo.*
Star of Bethlehem, by *Warren.*
Adoration of the Shepherds, by *Guido.*
Flight into Egypt, by *Titian.*
Christ Reasoning with the Pharisees, by *Da Vinci.*
John the Baptist Preaching in the Wilderness.
Christ and the Woman of Samaria ,by *Guido.*
Christ and the Woman of Samaria, by *Herbert.*
The Sermon on the Mount, by *Steinle.*
Christ stilling the Storm, by *Louterborough.*
Christ Healing the Sick of the Palsy, by *Jouvenet.*
Touching the Hem of the Garment, by *Hamilton.*
Mary Anointing the Feet of Christ, by *Hamilton.*
Christ Walking on the Sea, by *Louterborough.*
The Transfiguration, by *Raphael.*
Christ Blessing Children, by *Sir Beni. West.*
" " by *Overbeck.*
" " by *Eastlake.*
" " by *Barrand.*

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Christ giving Sight to the Blind, by *Poussin.*
Christ Driving out the Money Changers, by *Giordano.*
The Tribute Money, by *Titian.*
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Christ Predicting the Destruction of Jerusalem.
Christ Washing the Apostles' Feet, by *Mutiano.*
The Last Supper, by *Leonardo da Vinci.*
Christ Blessing the Bread, by *Carlo Dolce.*
Christ's Agony, by *Cosway.*
Christ in the Garden, by *Raphael.*
Christ Bearing the Cross, by *Poussin.*
The Crucifixion, by *Vandyke.*
Christ Wounded, by *Correggio.*
The Descent from the Cross, by *Rubens.*
The Burial of Christ, by *Raphael.*
The Marys at the Sepulchre, by *Smirk.*
Christ appearing to Peter, by *Titian.*
Christ Rejected, by *Rubens.*
" by *Titian.*
Christ the Comforter, (Christus Consolator,) by *Ary Sheffer.*
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Parable of the Ten Virgins.
" of the Good Samaritan.
" of the Prodigal Son,
" of the Lord of the Vineyard.
" of the Unmerciful Servant.
" of the Laborers in the Vineyard.
" of the Wicked Husbandman.
" of Lazarus at the Gate.
Peter and John at the Beautiful Gate of the Temple.
The Angels Releasing the Apostles in Prison.
Paul Preaching at Athens.
St. Matthew.
St. Mark.
St. Luke.
St. John the Evangelist.
St. John the Baptist.
St. Peter.
St. Paul.
St. Andrew.
St. Stephen.
St. Thomas.
St. Barnabas.
St. Simeon.

VIEWS IN THE HOLY LAND.

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Plan of Jerusalem.
Interior of the house of a Christian Family in Jerusalem.
Sidon and Mount Lebanon.
Baths and City of Tiberias.
Arab Camp near Mount Tabor.
Colonnade at Sebaste, Samaria.
Wells and remains of the Pool at Bethel.
Church at Chiloh.
Tomb of the Virgin.
Mount of Olives and Jerusalem.
Arch in the Via Dolorosa.
Lower Pool of Gihon.
Exterior View of the Church of the Holy Sepulchre.
Interior do. do.
Bethlehem.
Convent of Santa Saba.
Pool at Hebron.
Haram at Hebron.
Shrine of the Nativity.
Well at Nazareth.
Fair at Khan-et-Tujjar.
Cesarea.
Harbor of Rhodes.
The Parthenon at Athens.
Scene near Ramla.
Map of Palestine.
Mount Tabor.
Well near Emmaus.
Sarepta and the Coast of Sidon.
Mount Carmel.
Vale of Nazareth.
Well of the Virgin.
Nazareth Looking towards Esdralon.
Nain.
Plain of Esdralon.
Jezreel, Mount Gilboa and Nablous.
Mount Hermon.
Lake of Tiberias, from the Castle of Saphat.
The Hill of Samaria.
Samaritans showing the Book of the Law.
Jacob's Well at Sychar.
Mount Gerizim, and the Valley of Nablous.
Seilun, site Shiloh.
Gibeah, from Michmach.
Ramleh, with the Hills of Judea.
Gibeah, from Neby Samwil
Anata (hill country) Judea.
Cavern where the Holy Cross was found.
Pool of Hezekiah, Jerusalem.
The Garden of Gethsemane.
Tombs in the Valley of Jeho-haphat.
Jews' place of wailing, Jerusalem,
Pool of Siloam.
Mount of Olives, from the wall.
Mount Zion, from Hill of Evil Council.
Roman and Mediaeval Masonry, Jerusalem.
Facade of the Tombs of the Kings.
Tower of Hippicus.
Enclosure of the Harem, Jerusalem.
The Golden Gate.
Rachel's Tomb.
Greek Church at Bethlehem.
Basilica at Bethlehem.
Etham, near Bethlehem.
Fields at Bethany.
Solomon's Pools, near Bethlehem.

Zekoa and the Herodion.
Greek Bathing Place, near Jordan.
Halt above the north end of Dead Sea.
Hebron.
Ancient Masonry, near Hebron.
Suez, from the mouth of the ancient Canal.
Plain El-Rahan, Mount Sinai.
Samur.
Marshill at Athens.
Ruins of the City of Samaria.
Church and Schick's house at Eden.
Ancient Rome, from the Capitoline Hill.
Jerusalem, from the Mount of Olives.
The river Jordan.
Jerusalem, as besieged by Titus.
Mount of Olives and Jerusalem, from the N. E.
Mt. Zion, Jerusalem, from the Hill of Evil Council.
Scene on the River Nile at Philoe.
Map of Canaan as divided among the tribes, illustrating the period from Joshua to the death of Saul.
Map of Palestine at the commencement of the Christian Era, illustrating the gospel, acts of the apostles, etc.
Ground Plan of Jerusalem.
View of Tyre.
Tarsus.
Tarsus, with Mount Tarsus.
Falls of the Cydnus.
Damascus.
Antioch.
Mount Casius, from Seleucia.
Darneca.
Antioch in Pisidia.
Konieh. (Iconium.)
Wall of Perga.
Arches in Alexandria Troas.
Philippi.
Athens.
The Piracus.
Isthmus of Corinth.
Corinth.
Ephesus.
Wall of Damascus.
The Acropolis Restored.
Amphipolis.
Thessalonica.
Mole of Puteoli.
Mytilene.
Miletus.
Rhodes.
Acre (Ptolomais).
Syracuse.
Straits of Messina.
The Palace of the the Cæsars.
Plan of Rome, ancient and modern sites.
Map to illustrate St. Paul's first journey.
" " " second "
" " " third "

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2. 2*d Commandment.*—Thou shalt not make unto thee any graven image.
3. 3*d Commandment.*—Thou shalt not take the name of the Lord thy God in vain.
4. 4*th Commandment.*—Remember the Sabbath day to keep it Holy.
5. 5*th Commandment.*—Honor thy father and thy mother.
6. 6*th Commandment.*—Thou shalt not kill.
7. 7*th Commandment.*—Thou shalt not commit adultery.
8. 8*th Commandment.*—Thou shalt not steal.
9. 9*th Commandment.*—Thou shalt not bear false witness against thy neighbor.
10. 10*th Commandment.*—Thou shalt not covet thy neighbor's house, etc.
11. Moses receiving the Tables of the Law.
12. Moses delivering the Tables of the Law to the people.

THE LORD'S PRAYER.

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1. "Our Father which art in heaven."
2. "Thy will be done on earth as it is in heaven."
3. "Give us this day our daily bread."
4. "Forgive us our debts as we forgive our debtors."
5. "Lead us not into temptation."
6. "Deliver us from evil."
7. "Thine is the kingdom, and the power, and the glory, forever. Amen.

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7. Christian and the Shepherds.
8. The Pilgrims found Sleeping.
9. Vanity Fair.
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4. The Bath of Sanctification.
5. Great Heart and the Pilgrims.
6. Fight between Great Heart and Grim.
7. The young Pilgrims catechised by Prudence
8. The Shepherd Boy in the Valley of Humiliation.
9. The Pilgrims in the Valley of the Shadow of Death.
10. The Pilgrims at the House of Gaius.
11. Death of Giant Despair.
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4. Unable to obtain employment, they are driven by poverty into the streets to beg, and by this means still supply the bottle.
5. Cold, misery and want destroy their youngest child. "They console themselves with the bottle."
6. Fearful quarrels and brutal violence are the natural consequences of the frequent use of the bottle.
7. The husband, in a state of furious drunkenness, kills his wife with the instrument of all their misery.
8. The bottle has done its work—it has destroyed the infant and the mother; it has brought the son and daughter to vice and to the streets, and has left the father a hopeless maniac.

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7. The cold shoulder by old friends.
8. Rumseller's gratitude.—Rejection instead of injection.
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10. Robbery and murder.—The result of drunkenness.
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Roe, "
The Horse Fair, "
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Grandpa's Return, by *Grenier.*
Hagar and Ishmael, by *Koehler.*
The Surrender of Calais, by *Selous.*
The New Scholar, by *Edmonds.*
Pilgrim's at St. Peter's, Rome, by *De la Roche.*
Rich and Poor, by *De Dreux.*
The Partaken Sorrow, "
The Image of Mamma, by *Schlesinger*
Speaking Eyes, "
The Pet of the Commons, by *Horsley.*
Paul and Virginia, by *Comberworth.*
Sara la Baigneuse, by *Mueller.*
Mercy's Dream, by *Huntington.*
Signing Death-Warrant of Lady Jane Grey, by *Huntington.*
P. Henry in Virginia House of Burgesses, 1765, by *Rothermel.*
The Jolly Flat-boat Men, by *Bingham.*
Clear the Track, by *Schuessele.*
The Trap Spring, by *Mount.*
Bargaining for a Horse, "
The Court of Death, by *Peale.*
Master Fox and his Belle caught in a Storm.
Mexican News, by *Woodville.*
Messrs. Black and Brown (Bears) at Snowballing.
The Exquisite—the Pet of the Ladies.
The Prize-fighter—the Pet of the Fancy.
The Attack of the Monster—(a magnified flea attacking a man.)
The German Reformers at Speirs, April 19, 1529.
Castle of Chillon.

MICROSCOPIC OBJECTS ENLARGED FROM NATURE.—$2.75 per Slide.

These are not Paintings, but exact Photographs from the objects themselves.

The Human Louse.
The Crab Louse.
The Bed-bug.
The Flea.
The Fly.
Proboscis of Fly.
The Sheep's Tick.
Hunting Spider.
Parasite of Chicken.
The Common Mosquito.
Eye of Fly.
Sting of Bee.

DISSOLVING VIEWS.

Photographed from fine engravings, selected and executed with great care, so as to produce a charming effect in Dissolving.

These cannot be used with a single Lantern, as it requires a pair of Dissolving Lanterns, or Stereopticons, to produce the Dissolving effect.

THE FOLLOWING ARE IN SETS OF TWO SLIDES EACH:

$5.50 per set.

Christmas Eve in Camp—Christmas Eve at Home (2 slides).
American Patriot's Dream—Soldier asleep by the Camp fire, and a vision of his home and family appears in the clouds (2 slides).
Vase of Flowers in Bud—changes to Vase of Flowers in Bloom (2 slides).
Flower Pieces—Dahlias und Roses—Astor and Poppies (2 slides).
Fruit Pieces—Grapes—Currants (2 slides).
Cain and Abel Sacrificing—Cain's Sacrifice Rejected (2 slides).
Passage of the Isaelites Through the Red Sea—Destruction of Pharaoh's Host (2 slides).
Noah Building the Ark—Receiving advice from above (2 slides).
Noah's Sacrifice—Appearance of the Rainbow (2 slides).
Saul Visits the Witch of Endor—the Witch Raising Samuel (2 slides).
Death-Bed of the Righteous (John Wesley's last moments occupied in Praying,) and Death-Bed of the Wicked (Richelieu's last moments occupied in Card-Playing (2 slides).
English Bull-Dogs, and English Sheep (2 slides).
Rowing with the Tide—Rowing against the Tide—Two Lovers in a Boat (2 slides).
The Enemy at his Hiding Place—The Enemy at the Door (2 slides).
He who marries does well—He who does not marry does better (2 slides).
The Evening Star and the Morning Star (2 slides).
The Pets (2 slides).
Temptation and Perdition (2 slides).
Castle of Drachenfels on the Rhine—Summer—Winter (2 slides).
Windsor Castle, England—Day—Moonlight (2 slides).
Conway Castle, England—Day—Moonlight (2 slides).
Isola Bella, Italy—Day—Moonlight (2 slides).
Castle of Chillon on Lake Geneva—Day—Winter—Moonlight View (2 slides).
The Water Mill in the Alps—Winter and Summer (2 slides).
Backwoods Settlement—The First Beginning—The Increase (2 slides).
Grace before Meat—Grace after Meat (2 slides).
Expectation—Satisfaction (2 slides).
Old Woman Reading—changes to Old Woman Reeling (2 slides).
St. Peters and the Castle of St. Angelo, Rome—Day—Night (2 slides).
Life near the North Pole—Day—Night, with Aurora (2 slides).
The Emancipation Proclamation. *Before* the Proclamation is represented by a slave, with a sad, mournful countenance. *After* the Proclamation shows the same face, with a broad grin, displaying a fine set of ivories. Taken from life (2 slides).

THE FOLLOWING ARE IN SETS OF THREE SLIDES EACH:

$8.25 per set.

Fort Sumter—In Peace—Moonlight Effect—On Fire during the Bombardment (3 slides).
The Brave Drummer Boy and his Father—Both enlist in the Army, fight, and are mortally wounded, and die together on the field of battle (3 slides).
Young Rebels—Shooting a Prisoner—Defeated—Forced under Uncle Sam's Rule (children in mischief discovered and punished by their mother) (3 slides).
Courtship and Marriage—(3 slides)—The First Meeting—The Declaration—The Consequences.
Courtship for the Second Wife—Ghost of the First Wife appears and creates the utmost consternation (3 slides).
The Hopeful Bride—The Happy Mother—The Mourning Widow (3 slides).
Bay of Naples, and Mount Vesuvius—Day—Night—and Eruption (3 slides).

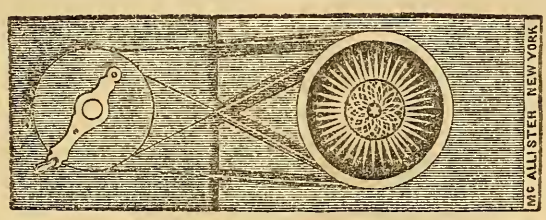
THE FOLLOWING ARE IN SETS OF FOUR SLIDES EACH:

$11.00 per set.

The Voyage of Life—Childhood, Youth, Manhood, Old Age (4 slides).
The Four Seasons—Spring, Summer, Autumn, Winter (4 slides).

Movable slide to give Fire effect.....$5 00
" to give Firework effect..... 5 00
" to give Aurora effect..... 5 00

☞ These may be used in combination with any of the Dissolving sets where such effects may be desirable.



CHROMATROPES, OR ARTIFICIAL FIRE-WORKS.

These Sliders are singularly curious, the effect being very similar to that of the Kalcidoscope. The pictures are produced by brilliant designs being painted upon two circular glasses, and the glasses being made to rotate in different directions. An endless variety of changes in the pattern are caused by turning the wheel—sometimes slowly—then quickly—backward—and forward.

"THE NATIONAL FLAG," CHROMATROPE.—$5 00 Each.

From designs expressly made to introduce the colors of our glorious National Flag. Five different patterns of this chromatrope.

"THE GEOMETRICAL" CHROMATROPE.—$5 00 Each.

A variety of entirely new and original patterns, of superior Chromatic and Geometrical effects. Twenty-five different styles of this Chromatrope.

"THE WASHINGTON" CHROMATROPE.—$5 50 Each.

A new and beautiful design, with a Photographic Likeness of Washington in the centre, (copied from Stuart's celebrated painting in the Boston Atheneum), and the stars and stripes revolving around it in glorious array.

"THE LINCOLN" CHROMATROPE.—$5 50 Each.

A correct likeness of our lamented President in the centre of a Revolving Display of brillian colors.

"THE GOOD NIGHT" CHROMATROPE.—$5 50 Each.

The words "Good Night," encircled by a wreath of Flowers in the centre of a Revolving Chromatrope—very appropriate as a closing piece of an exhibition.

SLIDES WITH REVOLVING MOTION.

$5 00 per slide.

Bombardment of Fort Sumter; the Ironsides throwing shell.
View of Old Ruins, which, by being turned around, changes to Portrait of an Old Woman.
View of Rocks and Shrubbery, which, by being turned around, changes to Portrait of a Satyr.
Holland Windmill, with Revolving Fans.
Etc., Etc., Etc.

DISSOLVING CHROMATROPES.

For use only in the Stereopticon and Dissolving Lanterns.

"OUR PEACEMAKERS," DISSOLVING CHROMATROPE.—$12 50

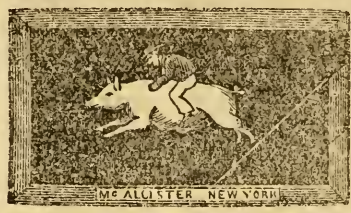
Arranged for Dissolving effect, for two lanterns, on two slides. One slider exhibits the National colors in Chromatropic effect with blank centre, for the one Lantern. The other slider intended for the other Lantern, contains on a movable slider, five life-like portraits of President Lincoln Major Generals Grant and Sherman, and Admirals Farragut and Porter, which appear in the centre of the Chromatrope in succession.

"OUR DEPARTED HEROES," DISSOLVING CHROMATROPES.—$12 50

Arranged for Dissolving effect, for two lanterns, on two slides. One slider exhibits the National colors in Chromatropic effect, with blank centre for the one Lantern. The other slider, intended for the other Lantern, contains on a movable slider, five life-like portraits of distinguished heroes who lost their lives for the preservation of the Union.

EXTRA PORTRAIT SLIDES.—$7 50.

Adapted for the use of the Dissolving Chromatropes. Each slider contains five life-like portraits of distinguished Generals.



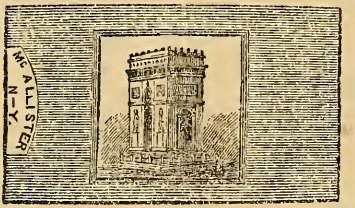
COMIC SLIDERS, WITH MOVABLE SLIP, GIVING NATURAL MOTION TO THE FIGURES.

$1.25, and some of superior execution, **$1.50 per slide,**

Barber Shaving.
Beggar takes off his hat.
Black Draught—Man taking Medicine.
Bottled Porter—A man in a Porter Bottle.
Cauliflower—Changes to a Woman's Head.
Chameleon—Changes its colors.
Chastisement—Schoolmaster and Pupil.
Chinese Gymnasts.
Clown Dancing.
" moving his Eyes.
" falls to pieces.
" turns somersaults.
Cook and Pig's Head—the heads change.
Cow tossing a Dog.
Crinoline expanding and contracting.
Crispin, the Cobbler.
Dentist pulling a tooth.
Family Jars—Woman beating her Husband.
Female Circus Rider.
Ferocious Pig—Intruders, Beware.
Fiend, with moving eyes.
Flowers—the colors change.
Girl jumping rope.
Good night—The words in a wreath.
" Man takes off his hat, and displays "Good Night" in a Scroll.
" Musicians and the word "Good Night."
Growing Chin—Man's.
Growing Nose—Man's.
" Woman's.
Growing Tongue—Man's.
" Woman's.
Hen-pecked Husband beaten by his Wife.
"How-d'ye-do"—Man takes off his hat and displays "How-d'ye-do" on a Scroll.
Impudent Monkey—Pulls off an Old Woman's Cap.
Insect Changes—Catterpillar—Crysalis—Butterfly.
Kissing—Man kissing a Woman.
Lily—Changes to a girl's head.
Lion attacking a horse.
Lion—Moving eyes and mouth.
Boot Black.
Man and Donkey—change heads.
Mexican Ratcatcher—Man sleeping with his mouth open, and a rat runs down his throat.
Naval Combat between French and English Ships.
New style Photograph—Man's head changes to a long-eared Donkey.
Night—Wagon passes over a bridge by moonlight.
Nightmare made visible.
Old Head on Young Shoulders—Boy and his Grandmother change heads.
Old Soldier—Minus an eye, leg and arm.
Patent Flat—Girl with new fashion bonnet.
Peacock—Spreads his feathers.
Pear and Pair—A Pear changes to a Man and Woman.

Parson Carving the Pig—It bites his nose.
Punch with his family on his nose.
Robber and Traveler—Your money or your life.
Row, boys, row—Man rowing a boat.
Rum Punch—Punch Bowl and Mr. Punch.
Sailor Riding a Pig—He is upset.
Sailor Dancing.
Silence—Little girl with moving eyes.
Snip, the tailor—Sewing a coat.
Smoke—Old Aunt Chloe and her Pipe.
Star spangled Banner—Sailor nailing the Flag to the mast.
Stocks Down— A man with his feet in the stocks.
Strong Beer—Boy sitting on a keg is blown up.
Swell—A man whose clothes grow very large.
Tailor and Cabbage—Head of cabbage changes to a tailor.
Tight Boots—Boy pulling off a man's boot, falls on the floor.
Topsy—Negro woman's head with moving eyes.
Uncle Ned—A negro man dancing.
Windy Day—Old Woman's Bonnet and Wig blown off.
Woman exchanges her head for a cat's head.
Young America—Child standing in his father's shoes and smoking a pipe.

STEREOSCOPIC VIEWS OF WORLD-RENOWNED PLACES OF INTEREST.



TAKEN FROM NATURE, AND PREPARED FOR THE STEREOPTICON.

The following are *Stereoscopic* Views directly from nature, upon glass, transparent, expressly taken and prepared to produce a brilliant effect upon the screen, when magnified by an Oxy-Calcium or Oxy-Hydrogen Stereopticon, with Achromatic Lenses, such as Nos. 400, 401, 403, 411, 413, 415, 417, 419. The light of a Coal Oil Lamp is not sufficiently intense to produce a satisfactory picture. Of the great variety of Stereoscopic Pictures the following have been selected as among the most interesting and suitable ones, and constitute what has been most appropriately called the "STEREOPTICON EXHIBITION."

FOREIGN VIEWS.

$2.00 Each.

ITALY.

Rome—Panorama.
St. Peter's Cathedral.
" " High Altar.
" " Tomb Pope Pius [VII.
Trajan's Column.
The Forum.
Arch of Constantine.
" of Septimus Severus.
Coliseum.
Castle of St. Angelo.
The Vatican.
Temple of Vesta.
Temple of Antonine and Faustin.
Fountain of Monte Pincio.
Naples—Panorama.
Cloister of St. Martin.
Royal Palace.
Beds of Lava at Vesuvius.
Ruins at Puzzuoli.
Venice—Panorama.
The Rialto.
Bridge of Sighs.
Ducal Palace.
" Courtyard.
" Giants' Stairway.
Church of St. Mark.
Florence—The Baptistery.
The Campanile.
Cloister of St. Mark.
" of St. Maria Novella.
Place de la Signoria.
Tomb of Lorenzo de Medicis.
Gardens of Pitti Palace.
Statue Gallery.
Milan—Model of the Cathedral.
Arch of Peace.
Pisa—Leaning Tower.
Baptistery.
Como—Panorama.
Pompeii—Ruins of Temple of Venus.
Poestum—Ruins of Temple.
Taormina—Ruins of Theatre.
Etc., Etc., Etc.

SWITZERLAND.

Geneva.
Schaffhausen.
Berne.
Zurich.
Lausanne.
Lucerne.
" Thorwaldsen's Lion.
Constance.
Mont Blanc.

Wetterhorn.
Jungfrau.
Cascade of Pessevache.
Glaciers of Ice.
Mer de Glace.
Etc., Etc., Etc.

GERMANY, Etc.

Berlin—Royal Palace.
" Throne Room.
" White Saloon.
Brandenburgh Gate.
Statue of Frederick the Great.
Statue of the Amazon.
The Royal Museum.
Stuttgart—Statue of Schiller.
Panorama.
Heidelberg—The Old Castle.
Panorama.
Nurembergh—Panorama.
Public Fountain.
Cologne—Tower of the Cathedral.
Vienna—Church of St. Charles.
Statue of Emperor Joseph II.
Baden Baden—
Munich—Statue of Bavaria.
Dresden—Theatre Royal.
Statue of Frederick.
Prague—The Old Bridge.
Panorama.
Vienna—Palais Royal.
Statue Gallery.
Panorama.
Stolzenfels Castle.
Bacharach "
Etc. Etc. Etc.

FRANCE.

Paris—Palace of the Tuileries.
" of the Louvre.
Cathedral of Notre Dame.
" of the Madeleine.
" of the Pantheon.
Hotel de Ville.
Place de la Concorde.
Place Vendome.
Triumphal Arch—St. Denis.
" Carousal.
" Etoile.
Bas Reliefs on Arc de l'Etoile.
Pont d'Arcole (Bridge).
" de la Concorde (Bridge).
" Neuf (Bridge).
The Elysian Fields.
Statuary Galleries in the Museum of the Louvre.
Column Vendome.
The Bourse (Exchange).
Panorama.
Versailles—Saloon of Marie Antoinette.
Versailles—The Palace.
Hall of Battles.
Fountain.
Grand Cascade.
Lyons—Statue of Marshal Suchet.
Rouen—Palace of Justice.
Chalons—Interior of the Church.
Chateau de Pierrefonds.
Etc. Etc. Etc.

ENGLAND AND SCOTLAND.

London—House of Parliament.
Westminster Abbey.
Lord Mayor's House.
Statue of Duke of Wellington.
Statue of Richard Coeur de Lion.
Tower of London.
Temple Bar.
St. Paul's Cathedral.
Windsor Castle- -Exterior.
Tomb of Princess Charlotte.
Balmoral Castle,
Osborne House, Isle of Wight.
Birth Place of Macaulay the Historian.
River Salgary in Wales.
Edinburgh—Sir Walter Scott's Monument.
Melrose Abbey.
Etc., Etc., Etc.

EGYPT.

Grand Pyramid and Sphinx.
Cleopatra's Needle.
Ruins of Temple at Karnac.
" at Philae.
Arch of Diocletian at Philae.
Palm Trees near the First Cataract of the Nile.
A Dromedary in the Desert.
Mosque of Mohamet Ali.
Mosque of Amrou.
Tombs of the Caliphs.
Summer House in the Sultan's Harem.
Etc., Etc., Etc.

PALESTINE.

Church of the Holy Sepulchre, Jerusalem.
Tomb of Absalom.
Garden of Gethsemane.
Etc., Etc., Etc.

EAST INDIES.

Java—Sago Palm Trees.
Plantain Grove.
Ruins of Heathen Temple.
Specimens of East India Fruits.
Portrait of Emperor of Java.
Siam—Ruins of Pagoda.
Sumatra—Native Village.
Etc.. Etc.

PARIS EXPOSITION OF 1867.

An assortment of beautiful Stereoscopic Views of Choice Statuary and Works of Art in the Exposition—entirely new—$2.50 each.

AMERICAN VIEWS.

$1.00 Each.

New York—Washington Statue.
Harlem High Bridge.
Central Park.
Philadelphia—Girard College.
Deaf and Dumb Asylum.
Fairmount Water Works.
Independence Hall.
Laurel Hill Cemetery.
Woodlands Cemetery.
Tomb of Dr. Kane.
Boston—Franklin Statue.
John Hancock House.
View from State House.
Prof. Longfellow at Home.
Washington City—President's House.
U. S. Capitol.
Smithsonian Institute.
Treasury Building.
Mount Vernon—The Mansion House.
Washington's Tomb.
White Mountain—Tip Top House.
The Willey House.
The Summit House, in Winter.
The Flume.
The Basin.
Snow Arch.
Mount Washington.
" Frost Work.
Crystal Cascade.
Jackson Cascade.
Gibbs' Falls.
Glen Ellis Falls.
The Sentinel
Column Rock.
Table Rock.
Pulpit Rock.
Echo Lake.
Ammonoosuc Falls.
Old Man of the Mountain.
Niagara—General View of the Falls.
American Falls.
British Falls.
Table Rock.
Suspension Bridge, Railroad Track.
" Carriage Way.
Trees encrusted with Snow.
Icicles hanging from the Rocks.
Charleston, S. C.—Ruins of the Cathedral.
Ruins in Broad Street.
The Sister Churches.
The Mills House.
Old Market House.
Post Office and Palmetto Tree.
Tomb of Calhoun.
Interior of Castle Pinckney.
Fort Sumter—Exterior, showing effects of Bombardment.
Interior, Officers' Quarters.
The Celebration, April 14, 1865.
Frigate New Ironsides.
The Monitor Casco.
Winter Quarters of the Army.
Bomb Proof Quarters at Fort Burnham.
A Battery Ready for Action.

* *New Views constantly added to the Collection.*

SLIDES WITH LEVER MOTION TO THE FIGURES.—$3.00 per Slide.

Horse Drinking—Moves his head.
Cow Drinking—Moves her head.
Man that takes off his hat.
Swan—Moves head and neck.
Mary, Queen of Scots, at Prayer.
Boot-black, blacking boots.
Stag—scratches its back with its horns.
Man breaking stone.
Lady riding.
Cobbler at work.
Beggar taking off his hat.
Ship at anchor rocked by the waves.
Lecturer on Phrenology touching the bumps.

Etc., Etc., Etc.

DOUBLE LEVER SLIDES, OR WITH TWO MOTIONS.—$4.00 per Slide.

Thief—A monkey steals the dinner dessert.
Man, that first moves his arm, then raises it to his head and removes his hat.
Old Man Begging, makes a bow and takes off his hat.

Etc., Etc., Etc.

MOVING DIORAMIC SLIDES.

On Slides, from 12 to 14 inches long, with 2 Glasses, on one of which the scene is painted, and on the other the figures. The glass containing the figures is moved in a groove, and the Figures, Vessels, etc., appear to pass across the scene.

Arch of Trajan, Procession of Monks.....$4 00
Holyrood Abbey—people passing..... 4 00
Melrose Abbey..... 4 00
Tintern Abbey—boats moving past..... 4 00
Fingal's Cave, " 4 00
Nagosaki, in Japan, " 4 00
Andernach on the Rhine, " 4 00
Smuggler's Cave, " 4 00
Eddystone Light House, " 4 00
Rome and the Tiber, " 4 00
Tower of London—boats moving past. ...$4 00
Castle of Chillon, " ... 4 00
Stag Hunt—horses and dogs moving..... 4 00
Mad Bull—people chasing him..... 4 00
Menagerie—keeper pointing to the cage in which various animals appear in succession..... 4 00
Israelites Crossing the Red Sea..... 6 00
Noah and the Animals Entering the Ark . 6 00

STATUARY.—$1.50 per Slide.

Head of Christ by Thorwaldsen.
Morning, do.
Night, do.
Spring, do.
Summer, do.
Autumn, do.
Winter, do.
The Cymbal Player.
The Flower Girl.
Flora.
Psyche.
Clio.
Spring Season.
Solitude.
Woodman's Companion.
Apollo.
The Little Market Girl.
Industry.
The Three Companions.
Sympathy.
The Invalid.
The Two Companions.
The Flower Girl of Paris,
Courtship.
Una and the Lion.
The Hunter.
After the Bath.
Amazon attacked by a Lion.
Ceres, by Vautier.
Hope, by Granger.
Apollo Belvidere.
Amor Indignant.
The Last Drop.
The Fisher-boy.
Our Saviour—after La Rocho.
The Little Companion.
Devotion.
Bed-time Prayer.
Innocence.
The Pet Dove.
Faith.
Nature's Toilette.
Highland Belle.
America.
Prodigal Son.
Summer.
Autumn.
The Dancers.
Roman Emperor Caligula.
Toilet Stand.
Roman Vase.
Etruscan Vase.
The Mischievous Brothers.
The Four Evangelists—St. Mathew.
" " St. Mark.
" " St. Luke.
" " St. John.
Faith, by Palmer.
Evening, do.
Morning, do.
Shakspeare.
Ariadne and the Tiger.
Feeding the Pet Dove.
Three Graces, by Canova.
Burd Family Monument, by Steinhauser.
Greek Slave, by Powers.
A Mother's Prayer, by Guthbert.
Jupiter and Hebe, by Bernard.
Sicilian Dancers.
Cupid asleep.
The Pitcher-girl.
The Gladiator.
Venus Victrix.
Dante.
Torquato Tasso.
Flora.
Hebe.
Venus going into the bath.
The Hunter-boy.
Roman Emperor Cavacalla.
Minerva.
Rubens.
Michael Angelo.
Highland Mary.
Fisherman's Daughter.
Marguerita.
The Muse of Painting.
Children's Joy.
Our Saviour—after Guido.

BLUE GLASS SLIDES, AND RED GLASS SLIDES, Price $1.00 Each.

For use in Showng Statuary, in the Dissolving Lanterns and Stereopticons; produces the Statuary upon a Blue or Red Background giving a beautiful and novel effect. (The colored glass slide is placed in one Lantern, producing a plain colored surface on the screen—the Statuary slide is then placed in the other Lantern, and by the dissolving arrangement is shown upon the colored background, then slowly dissolved out.)

MISCELLANEOUS VIEWS.

Finely Colored Photographs.—$2 75 per Slide.

Copies of Choice Pictures of Old and New Masters.

Madonna with the Veil.....*Rap' ael*
Madonna with the Bird..... "
Moses striking the Rock..... "
Abraham and the three Angels..... "
Blessings of the House and Field.....*Becker*
The Bird is flown away..... "
Gretchen and her Pet Lamb..... "
The Farmer's daughter and her Pet Horse.....*Herring*
The Cavalier..... "
The Mitherless Bairn.....*Warren*
Grand Pa's Siesta.....*Wagner*
The Shepherd's daughter and her Pet Lamb.....*Pollock*
Lesson on the Jews Harp.....*Brunet*
Feeding the Young Bird..... "
Family Happiness.....*Meyerheim*
After Dinner..... "
The Knitting Lesson..... "
The Young Companions..... "
Prize for Laziness..... "
The Past and Present..... "
Sunday Afternoon.....*Waldmil er*
Consolation—Sister of Charity.....*Moyer*
Harvest Field in the Dutch Lowlands..*Muyden*
Impudence.....*Landseer*
The Shepherd's Bible..... "
The Forester's Family..... "
Bolton Abbey in the Olden Time..... "
Uncle Tom and his Wife..... "
The Traveled Monkey Returning Home..... "
The Silesian Weavers.....*Hubner*
The Village School in an Uproar.....*Richter*
The Boy with many Friends.....*Webster*
Spring..... "
The Return of the Swallows.....*Brorhard*
First attempts to read.....*Bafford*
The Rent Day.....*Sir D. Wilkie*
The Blind Fidler..... "
Blind Man's Buff..... "
The Village Politicians..... "
The Village Recruit..... "
Reading the Will..... "
The Flute Lesson.....*Frere*
Politeness and Haughtiness.....*Frith*
New Shoes..... "
Native Attractions.....*Lawkes*
Deceiving Granny.....*Farmer*
The Wife's Prayer.....*Brooks*
The Christian Maiden.....*Merle*
The Offering.....*B sse*
Children making wreaths of flowers.....*Meyer*
The Widow's Prayer..... "
The New Scholar.....*Hasenclever*
The Momentous Question.....*Sechel*
Persuasion.....*Crag*
The Gardener's Daughter.....*Graves*
Slave Market in Constantinople.....*Allen*
Highland Hospitality.....*Lewis*
The Gamekeeper's Return.....*Cooper*
English Merrymaking in Olden Time... "
Village Church on Sunday Morning.....*Sala*
Farm Yard in Winter..... "

Young Foxes receiving their breakfast.....*Gauermann*
A Fox in a tight place..... "
Age and Infancy.....*Telton*
Come Along.....*Hartwick*
Every beginning is different.....*Amberg*
The naughty boy forced back to School *Girardet*
Cupid Sharpening his Darts.....*Van Kloeber*
Love Triumphing over Wrath...*Beaugard This*
Heart of the Andes.....*Church*
The Zuyder Lake in a Calm.....*Vander Velde*
Phoete Mayflower.....*Savin*
The Orphan.....*Faed*
The Sleep of Sorrow and the Dream of Joy.....*Minti*
Chastity.....*Frost*
The Trooper.....*Wright*
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117 Esther confounds Haman—Esther vii, 1.
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121 Isaiah.
122 Isaiah sees Babylon destroyed in a Dream—Isaiah xiii, 1.
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147 Judas Maccabeus pursues Timothy—I Macc. v, 42.
148 Fall of Antioch—II Macc. ix, 7.
149 The Angel of the Maccabees—II Macc. xi, 8.
150 Death of Eleazar the Maccabee—I Macc. vi, 43.
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157 The Slaug ter of the Innocents—Matth. ii, 16.
158 Jesus among the learned Men—Luke ii, 46.
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167 Christ preaching before the Multitude—Matth. iv, 25.
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170 Christ stilling the Storm—Mark. iv. 37.
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175 Christ walkiug on the Waters—Matth. xiv, 25.
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177 The Transfiguration—Matth. xvii, 1.
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179 The Good Samaritan—Luke x, 33.
180 Arrival of the Good Samaritan at the Inn—Luke x, 34.
181 Christ with Martha and Mary—Luke x, 38.
182 The return of the Prodigal Son—Luke xv. 20.
183 The Prodigal Son embraces his Father –Luke xv, 20.
184 Lazarus and the Rich Man—Luke xvi, 19.
185 Christ and the Adulteress—John viii, 3.
186 The Pharisee and the Publican—Luke xviii, 10.
187 Christ and the Little Children—Mark x, 13.
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2 The author finds himself in a gloomy wood, astray—Canto I, lines 1-3.
3 Is hindered by a panter from ascending a mountain—Can. I, 29-32.
4 A Lion puts himself in his path in another direction—Can. I, 43 44.
5 Dante meets the poet Virgil, who shows him the way to avoid a pursuing she-wolf—Can. I, 88-90.
6 Virgil proposes to show to Dante Hell, and they depart thence—Can. I, 132.
7 They proceed at Nightfall—Can. II, 1-3.
8 The apparition of his Breatrice bids him forth on his errand—Can. II, 70-71.
9 Dante, following Virgil, comes to the Gate of Hell. They read the inscription: "All hope abandon, all ye who enter here."—Can. III, 9.
10 Charon meets them to ferry them over Styx—Can. III, 76-78.
11 Charon compelling ungodly souls to enter his vessel—Can. III, 101-104.
12 They see the unbaptised, who live desiring without hope—Can. IV, 38, 39.
13 They meet the poets Homer, Horace, Ovid and Lucan—Can. IV, 83-85.
14 Entering the SECOND circle they see Minos, judging—Can. V, 4.
15 Here they see the punishment of CARNAL SINNERS—Can. V, 20.
16 The author accosts Francesca de Rimini—Can. V, 72.
17 She tells him how she fell in love with her bro her-in-law—Can. IV, 123-125.
18 The surprise of the lovers and their murder by her husband—Can. V, 123-135.
19 The author, through pity of this sad tale, falls fainting to the ground—Can. V, 137-138.
20 Entering the THIRD circle, where GLUTTONS are punished, they encounter Cerberus—Can. VI, 24-26.
21 They pass a group lying in mire, drenched by constant hail, snow and discolored water, Cerberus rendering them piecemeal. One of the group, Ciacco, fortells the fate of Florence—Can. VI, 64.
22 Descent into the FOURTH circle. Virgil appeases Plutus—Can. VI, 64.
23 Here one like doom awaits the PRODIGAL and the AVARICIOUS—Can. VII, 65-67.
24 Descent to the FIFTH circle, where the WRATHFULL and GLOOMY are tormented in the Stygian Lake—Can. VII, 112-120.
25 Arrived at the base of a great tower, Phegyas ferries them over—Can. VIII, 27-29.
26 On their passage they meet Phillippo Argenti, whose fury and orment is described—Can. VIII, 39-48.
27 Arrival at the city of Dis (SIXTH circle), the entrance whereto is denied by many demons. —Can. VIII, 110-113.
28 They encounter the hellish furies—Can. IX, 46.
29 An Angel opens the Gates of Dis to them—Can. IX, 87-89.
30 Here they find that HERETICS are punished in Tombs burning with intense Fire—Can. IX, 124-126.
31 Dante, by permission of his guide, holds discourse with Farinata degli Uberti and Cavalcanti. The former predicts the poets exile from Florence—Can. X, 40-42.
32 Dante arrives at the verge of a rocky precipice enclosing the SEVENTH circle. Here he sees the Sepulchre of Pope Anastasius, the Heretic—Can. XI, 8-10.
33 The SEVENTH circle is guarded by the Minotaur—Can. XII, 11-14.
34 In the seventh circle the VIOLENT are punished in a river of blood. The centaurs guard the border of the river and oppose Dante's passage—Can. XII, 55-60.
35 The poets approach them—Can. XII, 73, 74.
36 They enter the SECOND COMPARTMEET of the seventh circle, which contains self-destroyers, changed into knotty trees, whereon Harpies build their nests—Can. XIII, 11.
37 They converse with Pierro delle Vigne, chancellor to Emperor Frederic II—Can. XIII, 34.
38 The second compartment contains also those who have violently consumed their goods, changed similarly; but chased by black female mastiffs—Can. XIII, 126-128.
39 Arrival at the THIRD COMPARTMENT of the seventh circle, a plain of dry hot sand where the VIOLENT against GOD, NATURE and ART are punished by showers of eternal fire—Can. XIV, 37-39.

40 Here they meet Brunetto Lantini, the former master of Dante—Can. XV, 28, 29.
41 The monster Geryon described. Can. XVII, 7–59.
42 The poets are carried on the back of Geryon, down to the EIGHT circle, divided in 10 gulphs. Can. XVII, 87–95.
43 In the FIRST gulph sinners, who have SEDUCED women, are scourged by demons—Can. XVIII 35–39.
44 In the SECOND gulph FLATTERERS are condemned to remain immersed in filth—Can. XVIII, 101–106.
45 They see Thais, the harlot—Can. XVIII, 130 132.
46 In the THIRD gulph are punished those guilty of SIMONY, by being fixed head downwards in certain apertures, so that only the legs appear without, their soles burning with flames—Can. XIX, 14–33.
47 In the Gulph Malebolge PUBLIC PECULATORS are plunged in a lake of burning pitch—Can. XXI, 51–53.
48 Demons guard further progress; but Virgil appeases them—Can. XXI, 70.
49 Other sinners of the same kind similarly punished—Can. XXII, 125, 126.
50 Ciampolo, trying to escape, is caught—Can. XXII, 137–139.
51 The enraged demons pursue Dante; but he is saved by Virgil—Can. XXIII, 52–54.
52 Punishment of HYPOCRITES in the SIXTH gulph; which is to pace continually round the guph under caps and hoods, gilt outside, but leaden inside—Can. XXIII, 58–67.
53 Caiaphas is seen fixed to a cross on the ground so that all tread on him in passing—Can. XXIII, 917–920.
54 Arrival in the SEVENTH gulph, where ROBBERS are tormented by venomous and pestilent serpents—Can. XXIV, 89–92.
55 The poet meets with three of his countrymen; one of whom undergoes a marvelous transformation in his presence—Can. XXV, 59–61.
56 Passing to the EIGHTH gulph, they see the punishment of EVIL COUNSELLORS, each enveloped in a flame—Can. XXVI, 46–49.
57 In the NINTH gulph they see SOWERS OF SCANDAL, SCHISMATICS and HERETICS differently maimed—Can. XXVIII, 30, 31.
58 They find here Piero da Medicina—Can. XXVIII, 68 seq.
59 Bertrand de Born, beheaded and holding his own head in his hand—Can. XXVIII, 116–119.
60 The author sees more misery in this gulph—Can. XXIX, 1–3.
61 Punishment to FORGERS in TENTH gulph—Can. XXIX, 52–56.
62 They are covered with tetter which they have to scratch off constantly—Can. XXIX, 79–81.
63 Two forgers tormenting each other—XXX, 26–32.
64 Myrrha—Can. XXX, 38, 39.
65 Arrival in the NINTH circle where TRAITORS are confined, is surrounded by giants immersed in pits to the naval. They encounter Nimrod—Can. XXXI, 70–72.
66 They meet Ephialtes—Can. XXXI, 85.
67 Anteus takes them both in his arms and places them both at the bottom of the pit—Can. XXXI, 133–135.
68 The ninth and last or frozen circle is divided into four parts. The first is a frozen lake out of which the heads of traitors project—Can. XXXII, 20–25.
69 Dante encounters the traitor Bocca. Can. XXXII, 97–100.
70 How Ugolino chaws the scull of Archbishop Ruggieri—Can. XXXIII, 13–15.
71 Ugolino and his Sons starved in the Tower of Pisa—Can. XXXIII, 62, 63.
72 Ugolino and his Sons in utter despair—Can. XXXIII, 61–68.
73 The sons all dead, the father dies too. Can. XXXIII. 71–74.
74 FOURTH and last round of NINTH circle. Those who have betrayed their BENEFACTORS are wholly covered by ice—Can. XXXIV, 10–13.
75 They pass by a mysterious way again to the upper world—Can. XXXIV, 127–129.
76 Arrive safely under the starry heavens—Can. XXXIV, 133.

ILLUSTRATIONS TO THE LEGEND OF THE WANDERING JEW.

By Gustave Dore.

Finely Colored Photographs.—$2 75 per Slide.

1 Christ on his way to Golgatha pronounces judgment on the pitiless Ahasuerus, to wander till Judgment day.
2 Too late he feels, by look, and deed, and word,
How often he has crucified the Lord.
3 Spell-bound, they gather far and near to scan
The weird senescence of that wondrous man.
4 In vain they offer wine with drunken jest;
He may not enter for a moment's rest.

5 On, through morass and slough, he strives to fly
From hateful memories of days gone by.
6 The end releases other men from strife;
His fate is ceaseless toil and deathless life.
7 Now when fantastic visions fill the air
Sorrow surrenders to a dull despair.
8 Transfixed with awe, he feels his God is nigh;
And, conscience-stricken, looks on Cavalry.
9 Secure he stands, and fearless gazes round,
Where arrows fall and corpses strew the ground.
10 On thro' the storm he speeds, 'midst drowning cries,
Whilst helpless vessels sink before his eyes.
11 Trees intertwined with snakes he walks beneath,
Safe thro' dark valleys ripe with hideous death,
12 The Judgment Day! He hears the trumpets' blast.
And, prostrate, owns his Saviour's love at last.

ILLUSTRATIONS TO THE GOSPEL.

BY F. OVERBECK.

FINELY COLORED PHOTOGRAPHS.—$2 75 per Slide.

1 The Annnnciation to Mary—Luke i, 26-28.
2 The salutation of Elizabeth to Mary—Luke i, 39-56.
3 The naming of John the Baptist—Luke i, 57-67.
4 The birth of Christ—Luke ii, 1-20.
5 The presentation of Jesus in the Temple—Luke ii, 22-40.
6 The offerings of the Wise Men—Matth. ii, 1-12.
7 The flight into Egypt advised by an Angel—Matth. ii, 13-15.
8 The slaughter of the Innocents—Matth. ii, 16-19.
9 Jesus in the workshop of Joseph—Luke ii, 51, 52.
10 Jesus in the Temple—Luke iii, 41-51.
11 John baptises Jesus—Matth. iii, 1-17.
12 The wedding at Cana. Water made into wine—John ii, 1-11.
13 Jesus healing the Sick—Luke iv, 38-40.
14 The calling of Matthew—Matth. ix, 9.
15 Jesus' feet anointed by a sinner—Luke vi, 36.
16 Jesus preaching from a ship—Matth. xxiii, 1-3.
17 Parable of the good seed and the cockle—Matth. xiii, 24-30.
18 Who is the greatest in the Kingdom of Heaven?—Matth. xviii, 1-4.
19 Jesus in the house of Mary and Martha—Luke x, 38-42.
20 The return of the Prodigal Son—Luke xv, 11-32.
21 Christ raises Lazarus—John xi, 32-46.
22 Christ entering Jerusalem—Matth. xxi, 1-11.
23 Jesus speaks against the the Pharisees—Matth. xxiii, 1-33.
24 The five wise and the five foolish virgins—Matth. xxv, 1-13.
25 Christ washing the feet of his Disciples—John xiii, 1-16.
26 John leaning on Jesus' bosom—John xiii, 23-30.
27 The Apostles asleep—Matth. xxvi, 36-46.
28 Christ bound and led to judgment—John. xviii, 12-15.
29 Christ thrice denied by Peter—Matth. xxvi, 73-75.
30 Herod and Pilate made friends—Luke xxiii, 5-12.
31 Barrabas released and Jesus delivered to be crucified—Matth. xxvii, 15-23.
32 Christ scourged—John xix, 1.
33 Behold the man! (Ecce Homo!)—John xix, 1-15.
34 Christ bearing the Cross—John xix, 16, 17.
35 The Crucifixion of Christ—John xix, 16-22.
36 The burial of Christ—Mark xv, 46, 47.
37 The resurrection of Christ—Matth. xxviii, 1-15.
38 Christ appears to Thomas—John xxii, 24-29.
39 Christ commending his flock to Peter—John xxi, 15-17.
40 The assension of Christ—Luke xxiv, 50, 51.

SELECTIONS FROM BENDEMANN'S FRIEZE IN THE ROYAL PALACE IN DRESDEN.

Finely Colored Photographs.—$2 75 per Slide.

1 The first care bestowed on the newly born.
2 The School for Boys.
3 The Training of the Girls.
4 The Dawn of Love.
5 The Married Couple.
6 The Visit to the Wine Cask.
7 The Plough.
8 The Mowers.
9 The Gathering of the Sheaves.
10 The Shearing of the Sheep.
11 The Hostile Invasion.
12 The Attack on the Traders.
13 Justice.
14 The Court of Justice.
15 The Sentence.
16 The Punishment.
17 Architecture.
18 Wisdom.
19 Government.
20 Courage.
21 Compassion.
22 Hospitality.
23 Pity.
24 Ministering the Sacrament.
25 Cultivation of the Grape Vine.
26 The Mine.
27 The Furnace.
28 The Forge.
29 Seeking Ways for Traffic.
30 Commerce.
31 Shipping.
32 The Healing Art.
33 The Apothecary.
34 The Philosopher.
35 The Astronomer.
36 The Hermit.
37 Death.
38 On the Way to Heaven.
39 Come to me all ye that are weary and heavily laden.
40 The Fountain of Life.

PRE-RAPHAELITE PICTURES BY ITALIAN MASTERS.

Finely Colored Photographs.—$2 75 per Slide.

Virgin and Child by.....*Cimabue*, born 1240
Birth of Christ.....*Giotto*, " 1265
Adoration of the Magi..... " "
Presentation in the Temple... " "
Treason of Judas..... " "
Resurrection..... " "
Portrait of Dante..... " "
Baptism of Christ.....*Verrochio*, " 1422
The Last Supper.....*Da Vinci*, " 1444
Vanity and Modesty..... " "
Virgin adorning her Child..*Perugino* " 1446
The Prayer in the Garden of Olives " "
The Preparation for the Burial of Christ..... " "
The Adoration of the Shepherds..*Ghirlandio*, " 1449
The Adoration of the Magi " "
Portrait of Savanarola..*Fra Bartolomeo*, b. 1469
Four Saints.....*Andrea del Sarto*, born 1488
The Annunciation.....*Angelica*
The Adoration of the Magi..... "
The Flight into Egypt..... "
The Raising of Lazarus..... "
The Treason money paid to Judas..... "
Christ Scourged..... "
The Burial of Christ..... "
The Ascension of Christ..... "
The Adoration of the Shepherds.....*Credi*
The Adoration of the Magi.*Da Fabriano* b. 1332
The Burial of Christ.....*Gadd*
The Birth of Christ.....*Lippi*, born 1606
The Virgin adorning the Child.....*Panicale*
The Three Arch Angels guiding Tobit.*Pollaiolo*
The Slaughter of the Innocents *Mattea de Sienna*

GRISSETT'S GROTESQUES, OR JOKES DRAWN ON WOOD.

With Rhymes: by Tom Hood.

Finely Colored Photographs—$2 75 per Slide.

1 Duke and Earl.
2 A shocking Bear.
3 The Poachers—No. 1.
4 The Poachers—No. 2.
5 The Frozen Phantom.
6 The Test of Friendship.
7 Mrs. J.
8 The Three Jolly Beggars.
9 The Three Jolly Beggars returned Home.
10 The Three Jolly Beggars carousing.
11 The Gambols of the Three Jolly Beggars after their feast.
12 How to Learn how Fish are Fresh.
13 The Fashions—No. 1.
14 The Fashions—No. 2.
15 A Prejudiced Traveler.
16 A Visit to the Zoological—The Tiger.
17 A Visit to the Zoological—The Lion.
18 On the value of a carriage, wealth and a title.

19 Education thrown away.
20 Taking the Veil.
21 A Le-son to Humanity.
22 The Monkey Locksmith.
23 A sensation story—the nightmare of the Miser.
24 A sensation story—The repentance of the Miser.
25 A Dream of Respectability—No. 1.
26 A Dream of Respectability—No. 2.
27 Monkey's Manners.
28 Ragged Bob and the Bear.
29 A Limited Company.
30 Tom Timmins or the Reward of Politeness.
31 Artist and Patron.
32 The Money Spinner.
33 Cock-a-doodle-doo.
34 Reynard's Recruit.
35 A Yarn.
36 An abs rase moral.

THE ALPINE REGIONS OF SWITZERLAND AND TYROL.

Finely Colored Photographs—$2 75 per Slide.

1 Castle Klam on the Oberinn River.
2 View on the Alps in Steiermark.
3 Winter View on the Alps, near Meiringen.
4 The Lake of the Four Cantons.
5 The Lake of Luzerne.
6 View in the Alps.
7 View on the River Gosson.
8 View on the River Inn.
9 View near Inspruk.
10 Tyrolese Hunters.
11 The Fountain at Salzburg.
12 On the Konigs-Lake.
13 View near Berechtsgaden.
14 View near the Martinswand—Winter.
15 View near Salzburg.
16 View of the Lake of Thun.
17 Entrance to Meran.
18 View near Salzburg.
19 View of a Tyrolese Cottage.
20 View near Aussee.
21 Interior View of an Alpine Shanty.
22 The Lake of Brienz.
23 Graubunden Lake.
24 Lake of Interlaken.
25 Interior of an Alpine Cow-House.
26 Lake of Gmunden.
27 Cottage in the Alps, near Snowcap Mountain.
28 View of the River Inn.
29 Castle of Wolfstein.
30 Tyrolese Village in the Lowlands, Winter Scene.
31 Tyrolese Farmers at Work unloading.

RURAL LIFE IN SWITZERLAND.

Finely Colored Photographs—$2 75 per Slide.

1 Girl Milking Cows.
2 Ferrying Cattle across the Lake.
3 Return from the Alps in Autumn.
4 Noonday's Rest near the Lake.
5 Approach of Evening.
6 Loading Hay.
7 Enjoying the Breeze of the Lake.
8 Sheltering Tree—Storm approaching.
19 Watching the Dawn of Morning.
10 Tenderly Nursing.
11 Milking the Goats.
12 The Frugal Breakfast.
13 The Surprise.
14 Angling in the Brook.
15 The Young Beggars.
16 Feeding the Poney.
17 Rural Happiness.
18 Journey through the Woods.
19 The Mill in the Alps.
20 Alpine Cottage.
21 A Tyrolese Shanty.
22 Rest in the Field.
23 A Famiiy of Goats.

FINDEN'S TABLEAU.

From Paintings by Stephanhoff and Corbould.

Finely Colored Photographs—$2 75 per Slide.

1 The Harvest Home.
2 Return from the Fair.
3 The Love-Token.
4 The Rustic Token.
5 Home.
6 The Love-Charm.
7 Returning from Milking.
8 The Gleaner.
9 The Stolen Child.
10 The Village Amannensis.
11 The Stolen Letter.
12 Hop Gathering.

ILLUSTRATIONS OF BIBLE HISTORY.

(Additional to those on page 18.)

Finely Colored Photographs.—$2 75 per Slide.

Jacob blessing the Sons of Joseph.
Children of Israel gathering Manna.
Falling down of the Walls of Jericho.
Slaughter of the Innocents.
The Widow's Oil Multiplied.
The Holy Family, by *Sir Joshua Reynolds.*
Birth of Christ " "
"While Shepherds watched their flocks by night."
The Judas Kiss.
Christ teaching his Doctrines.
Christ rewarding the Faithful.
Christ before Pilate.
The Crucifixion, by *Raphael.*
The Resurrection.
The Three Marys walking to the Tomb.
The Ascension.

ILLUSTRATIONS OF AMERICAN HISTORY.

(Additional to those on page 17.)

Finely Colored Photographs.—$2 75 per Slide.

The Early Home of Lincoln.
Franklin at the French Court.
The Marriage of Pocahontas.
The First Prayer in Congress, 1774.
Battle of Bunker Hill.
The First Blow for Liberty, by *F. O. C. Darley.*

To the Memory of the Patriots of 1775.

"There once the embattled farmers stood,
And fired the shot heard round the world!"

The Challenge—Union Sailor nailing the Flag of the Union to the Mast-Head.
Death Bed of Lincoln.

DISSOLVING VIEWS.

(Additional to those on page 26.)

In Sets of Two Slides Each—$5 50 per set.

The Little Coquette—The Little Gourmande (2 slides).
The Childish Joy—The Childish Sorrow (2 slides).
The Hard Lesson—Reading the Psalms (2 slides).
The Young Mother fondly gazing on her First-Born—Changes to same sitting by the Empty Cradle, after the Death of her Child (2 slides).

"Fondly gazing on that young face,
With anxious thoughts of future years;
The mother watched each budding grace,
And mused on all her hopes and fears!"

"Gone! from a world of pain and woe!
Gone! from death—from sin's alloy.
Gone! from temptation's wiles and, oh!
Gone! Gone! from grief to endless joy!"

The Morning Kiss—The Evening Prayer (2 slides).
Alexander and Diogenes—Jack in Office (Dogs)—(2 slides).
High Life—Low Life (Dogs)—(2 slides).
Looking In—Looking Out (2 slides).
Jeff in power, surrounded by his Generals—Jeff powerless, surrounded by his Captors (2 slides)
Oil Stocks Up!—Oil Stocks Down! (2 slides)
The First Christmas Morning—The Star appearing to the Shepherds (2 slides).

INSTRUCTIONS FOR THE OXY-HYDROGEN STEREOPTICONS.

Directions for Making the Hydrogen Gas.—For this purpose a Generator is furnished with the apparatus, consisting of an outer copper tank, with an inner copper drum. This drum has a perforated false bottom—and in the top of it is screwed a brass tube with stop-cock.

Withdraw the copper drum, remove the false bottom, and place within the drum any convenient quantity of Zinc, in small pieces; then replace the false bottom, and the Zinc will be retained.

Pour in the outer Copper Tank about 4 quarts of water, and add to that about 2 pounds of Sulphuric Acid (common Oil of Vitriol). Stir the mixture with a stick, and let it stand for 15 to 20 minutes, that the acid may be thoroughly and uniformly diluted.

Replace the copper drum in the tank, securing it in position by the clamping rods.

Into the Purifier pour water to the depth of about 3 inches. Connect the top opening of the Purifier with the Generator, and the side opening with the Gas Bag (by means of the flexible tubes.)

Turn on the Cock at the Generator, and also that at the Bag.

The Gas will now begin to pass over, and can be seen bubbling up through the water in the Purifier, and the process will continue until the Bag is full, or until the materials in the Generator are exhausted.

After having made the Gas, shut off the Cock at the Bag, and also that at the Generator, and detach the Purifier.

Remove the inner copper drum, and wash it and the Zinc with clean water.

Empty the Acid from the Copper Tank—if it is fresh, pour it into a Bottle for future use. But if it is not fresh it is better to throw it away than to run the risk of a failure from poor acid.

Wash the Tank with clean water.

It is recommended to make the Hydrogen in the open air, to avoid damage to clothing or furniture from the spilling of the acid, which is almost unavoidable.

The Gas furnished by the Public Gas Works answers equally as well as pure Hydrogen Gas. Therefore, in cities and towns where there are Gas Works, the manufacture of Hydrogen can be dispensed with, and the Hydrogen Gas Bag can be filled by making connection between the bag and a gas burner, with a piece of the India Rubber Tubing.

DIRECTIONS FOR MAKING THE OXYGEN GAS.

(The illustration on page 8 represents the apparatus, the Pressure Board of course being removed when making the Gas.)

Place in the Retort 16 ounces of *Chlorate of Potash*, in coarse powder, and add to it 6 ounces of *Black Oxide of Manganese*. Shake the Retort, that the ingredients may be well mixed.

Next, blow through all the pipes and connections, so as to satisfy yourself that there is nothing to obstruct the free passage of the Gas.

Pour about one pint of water into the wash bottle, and fit the metal pipe into the opening at the top; this pipe is connected by the India Rubber Tubing with the longer metal pipe which you now fit into the top of the Retort. Press these pipes, and the fittings will be completely gas-tight.

Light the spirit lamp under the Retort, and in a few minutes bubbles of gas will begin to come up through the water in the Wash Bottle, and the Wash Bottle is now to be connected with the Gas Bag by the piece of India Rubber Tubing, as shown in the illustration.

If the Gas comes over too violently, remove the lamp and replace it when the flow of gas becomes more moderate, and keep it under the Retort until the bubbles cease to come over.

You then turn the cock at the Bag—detach the Bag from the Wash Bottle. Next, remove the metal pipe from the Wash Bottle—*and, last of all, remove the Spirit Lamp.*

When the Retort has cooled, wash out the residuum in the Retort, and stand the Retort upside down, that it may be entirely dry before it is used again, as it is absolutely necessary that there shall be no moisture in the Retort while the Gas is being made. With good chemicals the Bag can be filled with Gas in about twenty minutes.

Failures often occur from using impure chemicals. To test them, melt a small quantity of the Chlorate of Potash, in an iron spoon, over a Spirit Lamp, and stir into it with an iron wire some of the Black Oxide of Manganese.

If the materials are not good an explosion will take place, and a whitish mass with red spots in it will be left in the spoon—if they are pure, there will be no explosion, and the melted mixture will soon dry up, leaving a dark gray residuum.

For price of Chemicals, etc., see price list on page 48.

DIRECTIONS FOR SETTING UP AND OPERATING THE OXY-HYDROGEN STEREOPTICON.

The Oxy-Hydrogen Stereopticon is packed in a substantial, hinged Packing Case, with Lock and Key, about 24 inches square, and 30 inches long, dovetailed, and planed smooth inside and outside. This contains the Stereopticon, with Gas Bags, etc., complete, and also affords sufficient space for the sliders and screen. The lid of the box is made with slip hinges, so that it can be removed in an instant. This lid serves as a platform for the apparatus, and to the inner side of it is attached the dissolving key, etc.

The first thing to be done is to put up the Screen (on page 48 is price list of Screens). The Screens are made with a wide hem, and with loops placed two feet apart all around the four sides of the Screen. By these loops the Screen can be attached to a wooden frame, though perhaps the most convenient plan is to pass a rope or stout cord through the loops on the upper edge of the screen, and suspend the rope from the sides of the room or hall; if in a church, the rope can generally be attached to the side windows or galleries. Tie the loop at the upper *left* hand corner to the cord or rope, and to the loop at the upper *right* hand corner attach a light cord, by drawing which the Screen can be stretched evenly; and by the loops on the sides and lower edge, it can be held firmly. Before hanging it up it should be dipped in water, as this will render it closer, and more transparent, and therefore show the views to better effect. The apparatus can be placed either in front of the Screen or behind it, as may be most convenient, depending upon the proportions and internal arrangements of the room or hall.

The size to which the picture is to be magnified is next to be determined. The further the apparatus is from the Screen, the larger will be the picture on the Screen. The apparatus is furnished with a set of Low Power, and also a set of High Power Magnifying Lenses, giving about the following results. The Low Power Lenses, with the Screen at the

Distance of	10	feet	from	the	apparatus,	will	make	a	picture	of	about.....	3 feet diameter
"	"	20	"	"	"	"	"	"	.....		6	" "
"	"	30	"	"	"	"	"	"	.....		9	" "
"	"	40	"	"	"	"	"	"	.....		12	" "
"	"	50	"	"	"	"	"	"	.....		15	" "

And the High Power Lenses, with the Screen at the

Distance of	10	feet	from	the	apparatus,	will	make	a	picture	of	about.....	6 feet diameter
"	"	20	"	"	"	"	"	"	.....		12	" "
"	"	30	"	"	"	"	"	"	.....		18	" "
"	"	40	"	"	"	"	"	"	.....		24	" "
"	"	50	"	"	"	"	"	"	.....		30	" "

The apparatus must be at a proper distance from the Screen to produce the views of the desired dimensions, and elevated from the floor, so that the lenses shall be on a level with the centre of the Screen. This can generally be accomplished by placing the packing case on its side on a desk or table, slipping the lid off its hinges, and placing this on the side of the packing case. The lid is intended to serve as a platform, the Dissolving Key, etc., being permanently attached to it, while the views to be used in the exhibition can be conveniently placed within the case.

Place the Lanterns on the Platform, each on its own pivot. Set the Safety Bottles in their sockets, having water in each to the depth of about one inch.

Place the Oxy-Hydrogen jets in the Lanterns with a cylinder of good hard lime in the lime carrier of each.

On the floor in front of the apparatus place the Gas Bags, each under its pressure board. On the Oxygen Bag there should be about 200 pounds weight, and the same on the Hydrogen if house gas is used; *if, however, pure Hydrogen (made from Zinc and Sulphuric Acid) is used, there should then be from* 250 *to* 300 *pounds weight on the Hydrogen.*

The best way to provide the weights for a traveling exhibition is to procure two good stout Bags, such as are used for grain or salt, and carry these along with the apparatus, and fill them with dirt or sand, which can be thrown out at the close of the performance, and the Bags packed up with the apparatus.

With the long flexible tube marked HYD, connect the Hydrogen Bag with the top opening of the Hydrogen Safety Bottle—then connect the side opening of the same with the Dissolving Key, and that again with the cock of each jet marked H. *All the flexible tubes which form the Hydrogen connections are distinctly marked* HYD *at each end.*

With the long flexible tube marked OXY, connect the Oxygen Bag with the top opening of the Oxygen Safety Bottle, then connect the side opening of the same with the Dissolving Key, and that again with the cock of each jet marked O. *All the flexible tubes which form the Oxygen connections are distinctly marked OXY at each end.*

Turn the cock at each Bag, and also the cocks at the jets full head on, and set the lever of the Dissolving Key so as to send the gases equally to each jet.

If the pipes are all clear and unobstructed, the gases will be seen bubbling up through the water in each of the Safety Bottles. Move the lever of the Dissolving Key from side to side, and notice if the bubbles in each of the Safety Bottles continue to come up without interruption (If there is any interruption, the tubes must be detached and examined, as well as the jets, to ascertain where the obstruction is, and to remove the cause.) Allow the gases to pass through in this way for the space of about one minute, so as to expel all the atmospheric air from the tubes.

Then stop the Gases at each jet, and turn on a little Hydrogen to each jet (by the cocks marked H), and light it with a match as it issues from the jet. Allow the Hydrogen to burn thus for about two minutes, that the lime cylinders may be gradually heated up; the Lime Cylinders generally require to be about ¼ inch from the jet, but this will vary with different samples of lime; the lime carriers therefore are mounted on a sliding bar for ease of adjustment.

Move the Lever of the Dissolving Key to the right, until it is stopped by the Pin. This will send almost all the flow of each Gas to the Jet in the Right Hand Lantern, thus reducing the flame in the Left Hand Lantern to a small size—merely enough to keep up the light.

Next, turn on *very gradually* the Oxygen to the Jet in the Right Hand Lantern (by the cock attached thereto marked O), and then increase the flow of each gas *very gradually*, until the light is brilliant and dazzling. To obtain this requires the gases to be very delicately proportioned to each other—too much, either of Oxygen or of Hydrogen, will reduce the intensity of the light and waste gas. When the light is perfect, there will be scarcely any flame visible, but the front surface of the Lime Cylinder will be of such a dazzling brightness that the eye cannot look directly at it without injury. Never look, therefore, at the lime itself, but observe its reflection in the condensing lens, and its condition can be seen exactly. *Always follow this rule.*

Then move the Lever of the Dissolving Key to the extreme left, and adjust the jet in the Left Hand Lantern, in the same way as directed above.

Place a View in the Left Hand Lantern, and adjust the focus.

Move the jet back and forth from the Condensing Lenses, and slide it up and down on the rod until the picture on the screen is evenly illuminated, then secure it by the clamping screw.

Move the Lever of the Dissolving Key, and transfer the Gases to the jet in the Right Hand Lantern.

Place a View in the Right Hand Lantern, adjust the focus, and adjust the jet as directed above.

Turn the Lever of the Dissolving Key half way, and each picture will be seen on the screen. Move the Lanterns on the pivot in front, so as to bring both pictures on the same space.

Then by moving the Lever of the Dissolving Key from one side to the other, thereby transfering the gases from one jet to the other, the pictures will beautifully dissolve, one into the other—one will fade away, and the other replace it on the screen in a manner which never fails to astonish and delight an audience.

While a picture in one lantern is before the audience, and the explanation of it is being made, quietly withdraw the slide from the other lantern, and replace it by another, and dissolve by moving the lever of the Dissolving Key. To show Statuary upon a colored ground, place the colored Glass Slide in one lantern, which will produce a colored screen—then place a Statuary Slide in the other lantern, and move the lever of the Dissolving Key, and the statuary will appear on the colored background, and can be slowly dissolved out in the same way.

The Lime Cylinder must be turned occasionally during the exhibition, to present a new surface—and the proportions of the gases will require adjusting every now and then.

At the close of the exhibition, or if it should be necessary during the exhibition to make any change in the position of the Gas Bags, turn off both gases—the Oxygen first, and then the Hydrogen.

MATERIALS, Etc.

Lime Cylinders, prepared from fine Pennsylvania Marble, for Oxyhydrogen Stereopticons, in air-tight Tin Canisters, containing 12 limes..... per canister	$2 00
Lime Squares, prepared from fine Pennsylvania Marble for Oxy Calcium Stereopticon's in in Tin air-tight canisters, containing 12 limes.....per canister	2 00
Chlorate of Potash, *chemically pure*, per pound.....	75
Black Oxide of Manganese, *chemically pure*, per pound.....	20
Chemicals, ready mixed, in Packages—each package containing proper quantity to make Gas sufficient for an evening's exhibition—per package.....	1 00
First quality India Rubber Gas Bag, 24 by 30 inches—with Stop Cock, each,.....	18 00
First quality India Rubber Gas Bag, 30 by 40 inches—with Stop Cock, each, ...	24 00
India Rubber Tubing, per foot,.....	50
Improved Lamp to burn Lard, or Lard Oil, with Reflector, each,.....	5 00
Glass Chimney, for do.....	25
Coal Oil Lamp, each.....	2 50
Glass Chimney, for do.....	25
Scissors, for trimming Lamps,.....	1 00
Wicks, for do. per dozen,.....	40
Muslin Screen, 9 feet square,.....	9 00
" 12 "	13 00
" 15 "	18 00
" 18 "	24 00
" 27 "	35 00

Magnesium Lamps, for burning Magnesium Wire.....$50 00

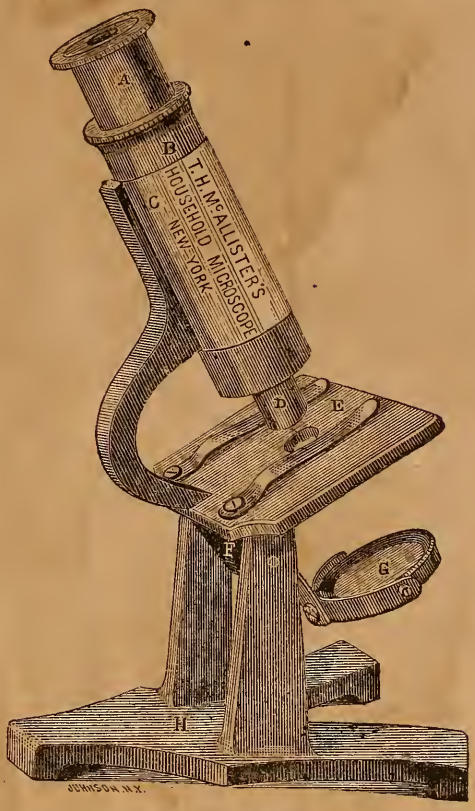
Magnesium Wire, for above Lamps.....per ounce $3 50

These Magnesium Lamps can be attached to any of the Lanterns or Stereopticons. They give a brilliant light, but give out an abundance of smoke, which must be led off to a chimney and the expense of burning each Lamp is about $3.00 per hour.

T. H. McAllister's Household Microscope.

A COMPOUND MICROSCOPE,

Having all the essential parts of a first-class instrument. A miniature model of the most approved and modern pattern, with a range of magnifying powers, affording facilities for investigating the minutiæ of animal and vegetable life by which we are surrounded, and which are to so many an unknown world. The price is so low as to bring it within the reach of all.



A—The Huygenian Eye Piece.
B—The Body of the Instrument.
C—The Brass Collar, in which the Body moves easily for adjustment of the focus.
D—The Magnifying Lens; or "Objective."
E—The Stage; on which the object is placed—with springs to hold the object.
F—The Axis of inclination; by which the instrument can be readily brought to any convenient angle for observation.
G—The Mirror; with Universal Motion—for illumination of transparent objects.
H—The Base; firmly supporting the instrument.

Price, $5.00.

Boys' and Girls' Magic Lantern,

THE BEST IMPORTED ARTICLE.

BLACK JAPANNED LANTERNS

WITH LAMP TO BURN LARD OIL, SWEET OIL, OR SPERM OIL.

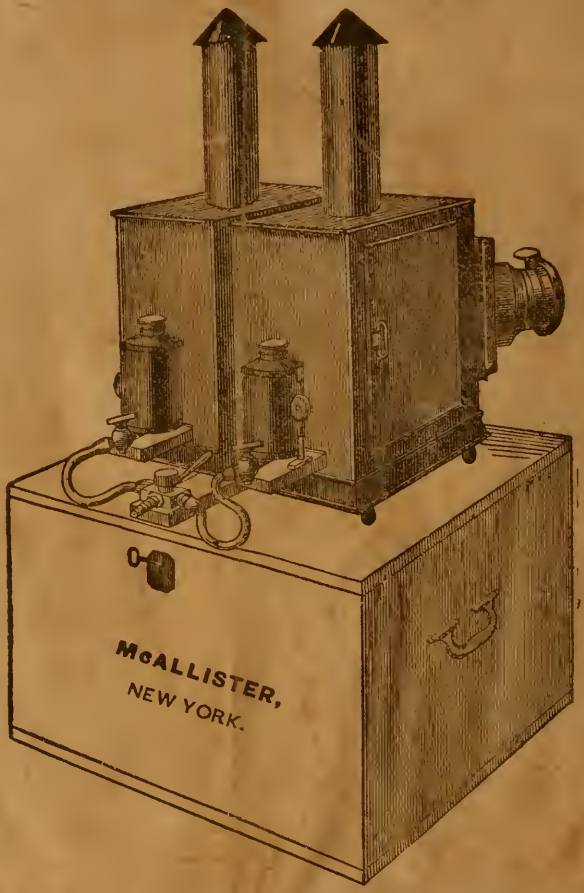
Kerosene Oil must not be used in these Lanterns.

Each Lantern accompanied with six Long Slides on double glass, containing from five to six Comic subjects on each slide—and three Revolving Firework Slides.

No. 1, with Condensing Lenses, 1 3-4 inches diameter,	$5.00
No. 2, with Condensing Lenses, 2 inches diameter,	7.50
No. 3, with Condensing Lenses, 2 1-4 inches diameter,	10.00

CATALOGUE AND PRICE LIST
OF
STEREOPTICONS,

Dissolving Views, Apparatus, Magic Lantens, and Artistically Colored Photographic Views.



T. H. McALLISTER,

(Of the Late Firm of McAllister & Brother, Philadelphia.—Established 1796.)

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